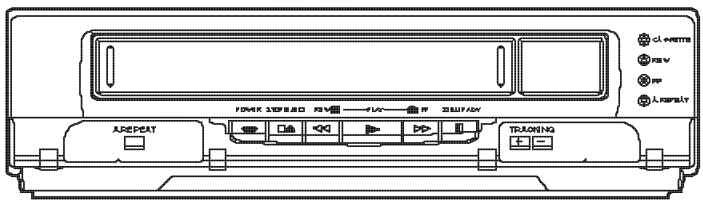
Service Manual

Model : DVP-1281N
DVP-1283N1
DVP-1089N
DVP-1089(AM)



DAEWOO ELECTRONICS CO., LTD.

SPECIFICATIONS

Format	: VHS standard
Playback System	: 2 rotary heads, helical scanning system Luminance : FM azimuth recording Color Signal : Converted sub carrier phase shift recording
Video Signal System	: NTSC type color, signal
Audio Track	: 1 track
Tape width	: 12.65mm (1/2 inch)
Tape Speed	: SP (33.35 mm/s) LP(16.67 mm/s) SLP(11.12mm/s)
Maximum Play Back Time	: 480 min. with T-160 Video cassette tape (SLP MODE)
FF/REW Time	: Less than 5 min
Power reguirement	: AC 120V, 60Hz(DVP-1089N) (DVP-1281N) AC-100V, 50/60Hz [DVP-1089N(JB)] [DVP-1281N(JB)] AC 110V, 60HZ [DVP-1089N(TB)] [DVP-1281N(TB)] AC 230V 60HZ [DVP-1089N(AM)] [DVP-1281N(AM)]

Power Consumption	: 17 Watts
Output Level	: Video : VIDEO OUT jack 1.0Vp-p, 75Ω unbalanced Audio : AUDIO OUT jack 10KΩ unbalanced
Video Horizontal Resolution	: More than 230 Lines
Audio Frequency Response	: 100 Hz-10 KHz
Signal-to-Noise Ratio	: Video: Better than 43dB Audio : Better than 40dB
Operating Temperature	: 5˚C-40˚C(41˚F-104˚F)
Weight	: NET : 5KG, GROSS: 6KG
Dimensions	: 300mm(W) ¡ ¿85mm(H) ¡ ¿336mm(D)

*Design and specifications-subject to change without notice.

¡ Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions. Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

1. Insulation resistance test
   Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table below.

2. Dielectric strength test
   Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table below.

3. Clearance distance
   When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metalic parts. See table below.

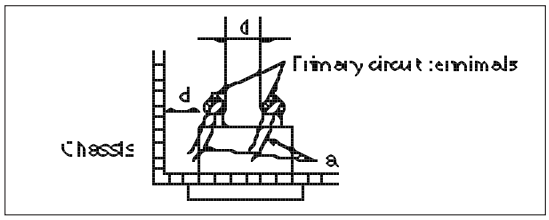


Fig.8

Table 1: Rating for selected areas

AC Line Voltage	Region	Insulation Resistance	Dielectric Strength	Clearance Distance (d), (d')
100V	Japan	1M/500 V DC	1kV 1 minute	¡ ^ 3 mm
110 to 130V	USA & Canada	---	900V 1 minute	¡ ^ 3.2 mm
* 110 to 130 V 200 to 240 V	Europe Australia	10M/500 V DC	4kV 1 minute	¡ ^ 6 mm (d) ¡ ^ mm (d') (a;Power cord)

*Class ¥-model only.

Note : This table is unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

4. Leakage current test

Confirm specified or lower leakage current between B (earth ground, power cord plug prongs) and externally exposed accessible parts (RF terminals, antenna terminals, video and audo input and output terminals, microphone jacks, earp-hone jacks etc.)

Measuring Method: (Power ON)
Insert load Z between B (earth ground, power cord plug prongs) and exposed accessible parts. Use and AC voltmeter to measure across both terminals of load Z.
See figure 2 and following table.

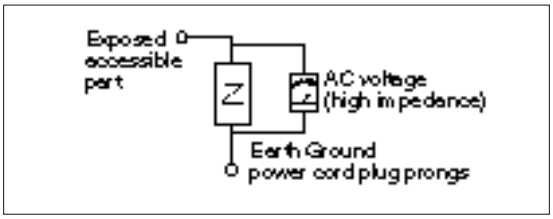


Table 2: Leakage current ratings for selected areas

AC Line Voltage	Region	Load Z	Leakage Current (i)	Earth Ground (B) to:
100V	Japan	1KΩ	i ¡ ´ 1 mArms	Exposed accessible parts
110 to 130 V	USA & Canada	1.5KΩ 0.15μ	i ¡ ´ 0.5 mArms	Exposed accessible parts
110 to 130 V 200 to 240 V	Europe Australia	1KΩ	i ¡ ´ 0.7 mApeak i ¡ ´ 2 mAdc	antenna earth terminals
		1KΩ	i ¡ ´ 0.7 mApeak i ¡ ´ 2 mAdc	Other terminals Other terminals

Note : This table is unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

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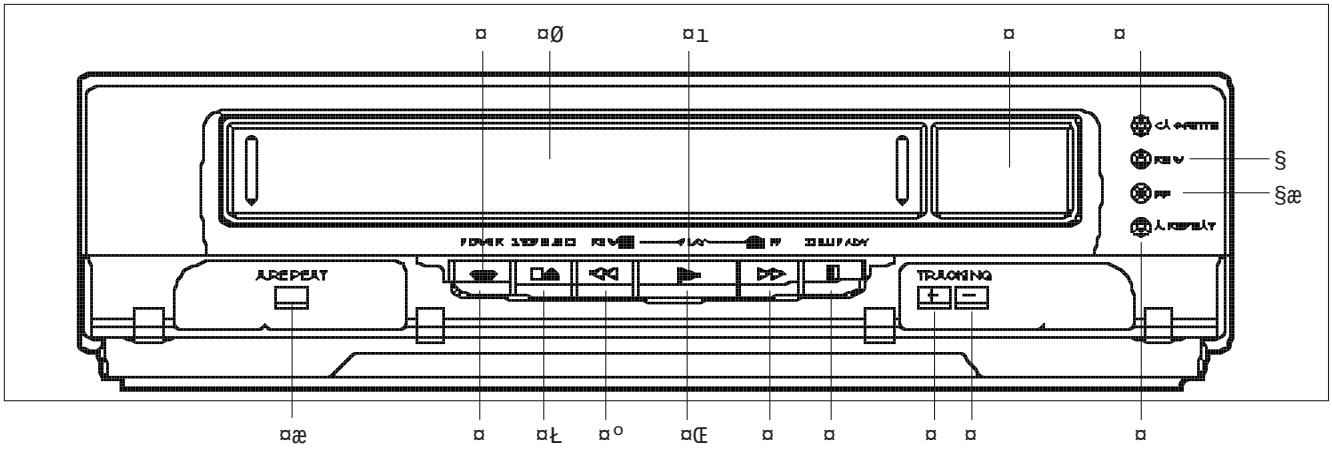
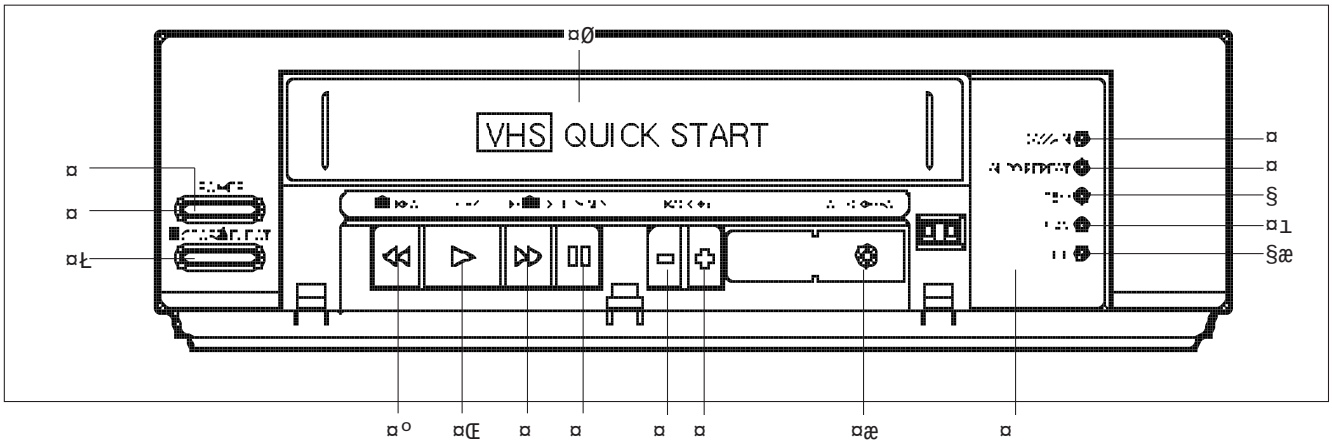
SECTION 1. CONTROLS AND FUNCTIONS
1-1. IDENTIFICATION AND OPERATION OF CONTROLS





¤ POWER Switch
Turns VCR power on and off.

¤Ł STOP/EJECT Button
In STOP mode this button makes a cassette come out of compartment. In any other mode except STOP this but-ton operates STOP function.

¤Ø Cassette Compartment
When the cassette is inserted in this compartment, the cassette will automatically be ready for operation.

¤Œ PLAY Button
Push to playback the recorded tape.

¤º REW Button
The REW Button serves a dual purpose. Push to rewind the tape. When this button is pushed during the playback mode, the picture will move quickly backward as three times of playback speed. When this button is pressed again, the picture will move quickly backward as seven times of playback speed and you can search for the desired part of program. When play button is pushed, the recorder will return to the playback mode.

N.B : When this button is pressed, all other control keys are inoperable until AUTO REPEAT is pressed again

¤ FF Button
The FF Button serves a dual purpose. Push to fast forward the tape. When this button is pressed during the playback mode, the picture will move quickly forward as three times of playback speed. In this mode, when this button is pushed again, the picture will move quickly forward as seven times of playback speed and you can search for the desired part of program. When play button is pressed, the recorder will return to the playback mode.

¤ STILL/F.ADV Button
In the recording mode, you can stop the operation of the recorder temporarily. In the playback mode, a picture will apear in the STILL mode. The STILL mode is released automatically after 5 minutes, and will return to the PLAY mode.

¤ ,¤ TRACKING UP/DOWN Buttons
press one of the buttons to eliminate noise bars or black steaks across the picture during playback.

¤ REMOTE Sensor
Receives signals from the Remote Controller.

¤æ AUTO REPEAT
Press this botton and the recorder will automatically rewind the tape at the end of the signal and repeat the playback continuously until the auto repeat butoon is pressed again.

¤ CASSETTE indicaitor lamp (Green)
Illuminates when a cassette tape is loaded.

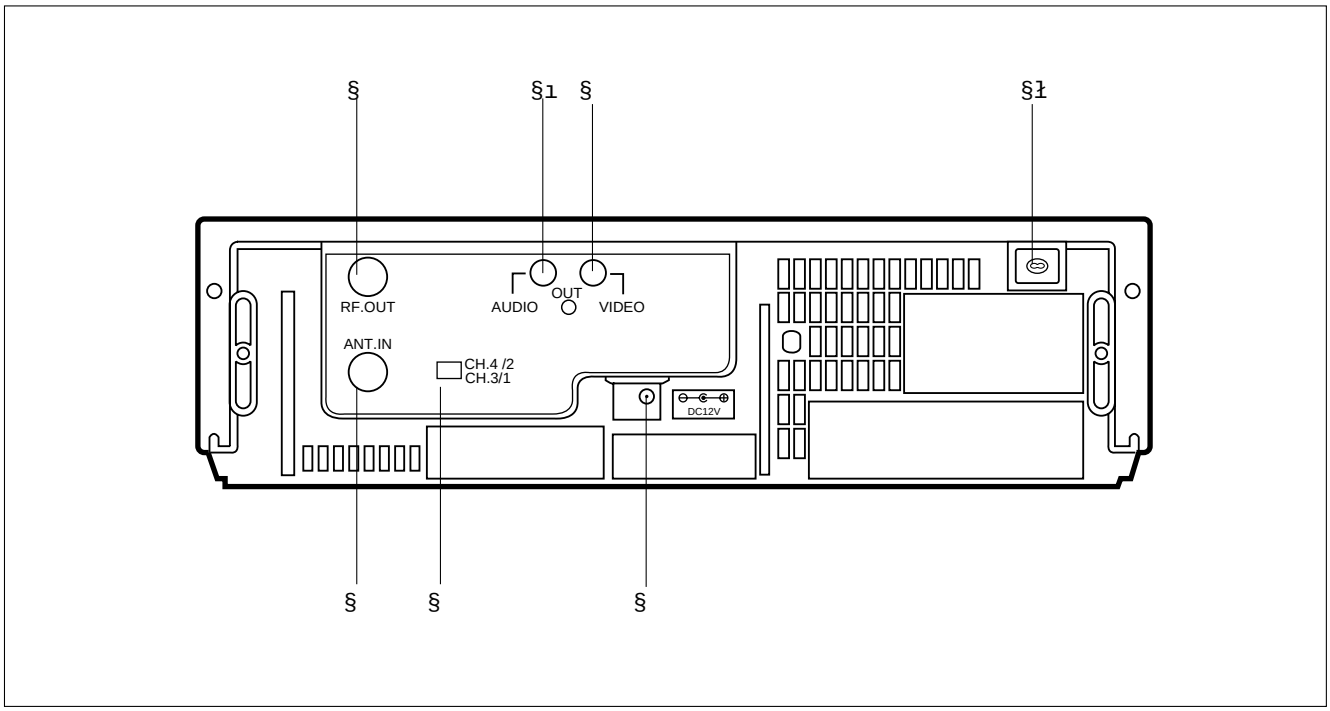
¤ AUTO REPEAT indicaitor lamp(RED)
Illuminates when anto repeat button is pressed.

¤ POWER indicaitor lamp(RED)
Illuminates when power is switched on.

¤1 PLAY indicaitor lamp (Green)
Illuminates when the play, still, or auto repeat button is pressed.

§ REW indicaitor lamp(Green)

§æ FF indicaitor lamp(Green)



§ ANT IN Terminal
Connect a TV aerial to this terminal.

§ RF OUTPUT Terminal
Connect to the aerial terminal of a TV receiver with the RF Cable (provided.)

§ RF OUTPUT CHANNEL SELECTOR
Get the channel select switch to a locally in active channel. When playing back and already recorded cassette tape, the TV set must be set to the same channel as RF OUT PUT channel selector position.

§1 AUDIO IN SOCKET (PHONO)

§ VIDEO IN SOCKET (PHONO)

§ DC JACK
Connect this Jack to DC Source (DC 12V)

§ł POWER CORD
Connect this cord into the AC output.

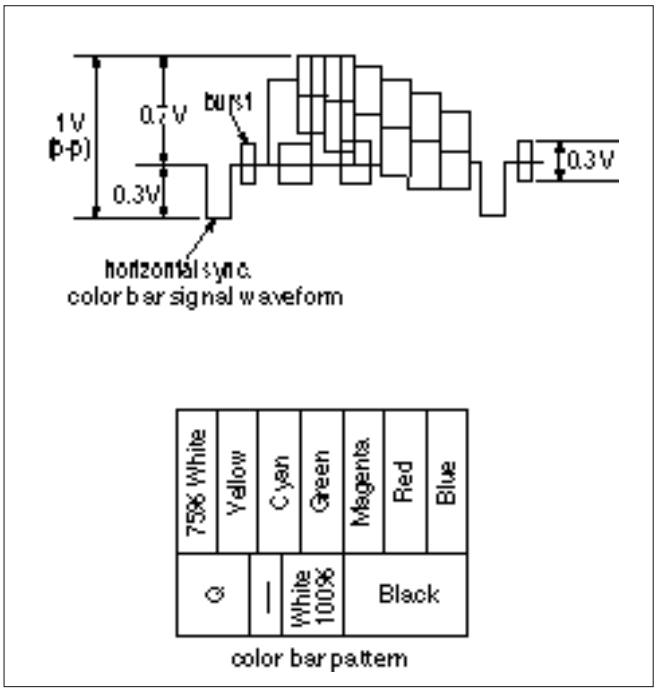
SECTION 2. ELECTRICAL ADJUSTMENTS

2-1. ALIGNMENT AND ELECTRICAL ADJUSTMENT

For these adjustment, use the equipment mentioned below and proceed by using the alignment tape and video signal.
The suitable output waveform of the color-bar singa genrator is shown below.

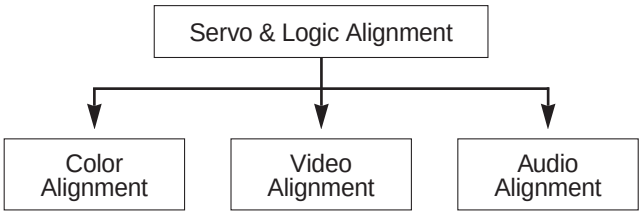
Instrument and Tools Required

1. Color TV receiver.
2. Oscilloscope having 10 MHz or more bandwidth.
3. Color-bar generator.
4. Frequency counter.
5. VTVM.
6. VOM (20 K¥/V).
7. Audio oscillator.
8. Audio attenuator.



Signal Level and Input and Output Impedance Requirement

1. Video input: Negative syne., 1Vp-p standard composite video signal, 75Ω.
2. Video output: Same as above.
3. Audio input: Line - 10dBs, 47KΩ.
4. Audio output: -50dBs, 10KΩ or less.



Adjustment Sequence

The VCR should be adjusted in the sequence shown below.

2-2. SERVO-LOGIC CIRCUIT ADJUSTMENT METHOD

1. VIDEO HEAD SWITCHING POSITION

Adj. Location	Measuring Point	Measuring Equipment	Mode	Test Tape
RV501	PT01 PIN3 TP396	Oscilloscope	PLAY Mode	DN-1

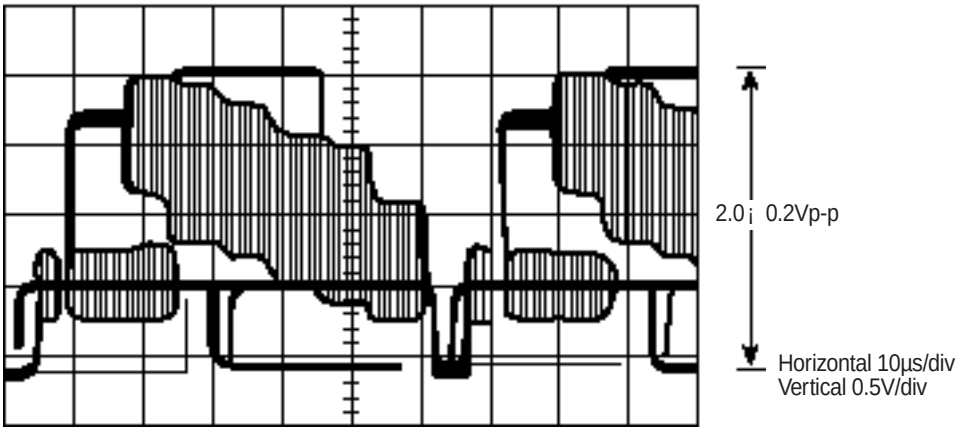
1) Play back the test tape.
2) Set the oscilloscope in the chop mode connect the CH1 to SW pulse PT01 PIN 2 the CH2 to TP396 with CH1 triggering.
3) Adjust RV501 for the positive trigger until 6.5H ¡ 0.5H cycles before the vertical SYNC pulse.

2-3. VIDEO CIRCUIT ADJUSTMENT METHOD

1. PLAYBACK Y-SIGNAL OUTPUT LEVEL

Adj. Location	Measuring Point	Measuring Equipment	Mode	Test Tape
RV396	TP396	Oscilloscope	PLAY Mode	DN-1

1) Playback the test tape (Color Bar Signal).
2) Connect the oscilloscope to TP396 and trigger the scope will a composite SYNC signal at TP313.
   Adjust the scope so that it can display a waveform of approx. 2H.
3) Adjust RV396 to option 2.0 ¡ 0.2 Vp-p between the SYNC TIP and 100% white level.



2-4 AUDIO CIRCUIT ADJUSTMENT METHOD

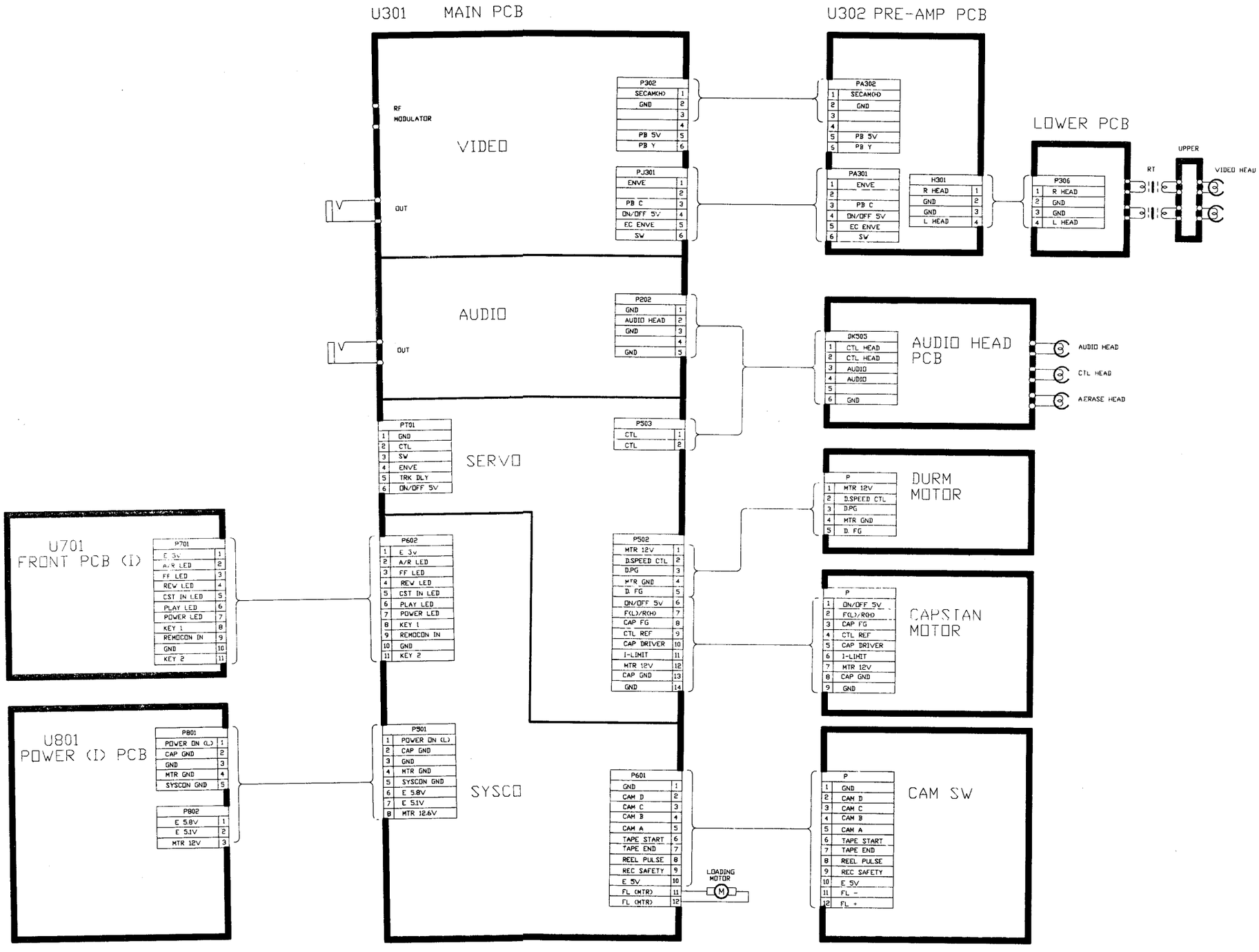
1. PLAYBACK OUTPUT LEVEL

Adj. Location	Measuring Point	Measuring Equipment	Mode	Test Tape
RV291	Audio Line Out	Audio Level Meter	PLAY Mode	DN-1

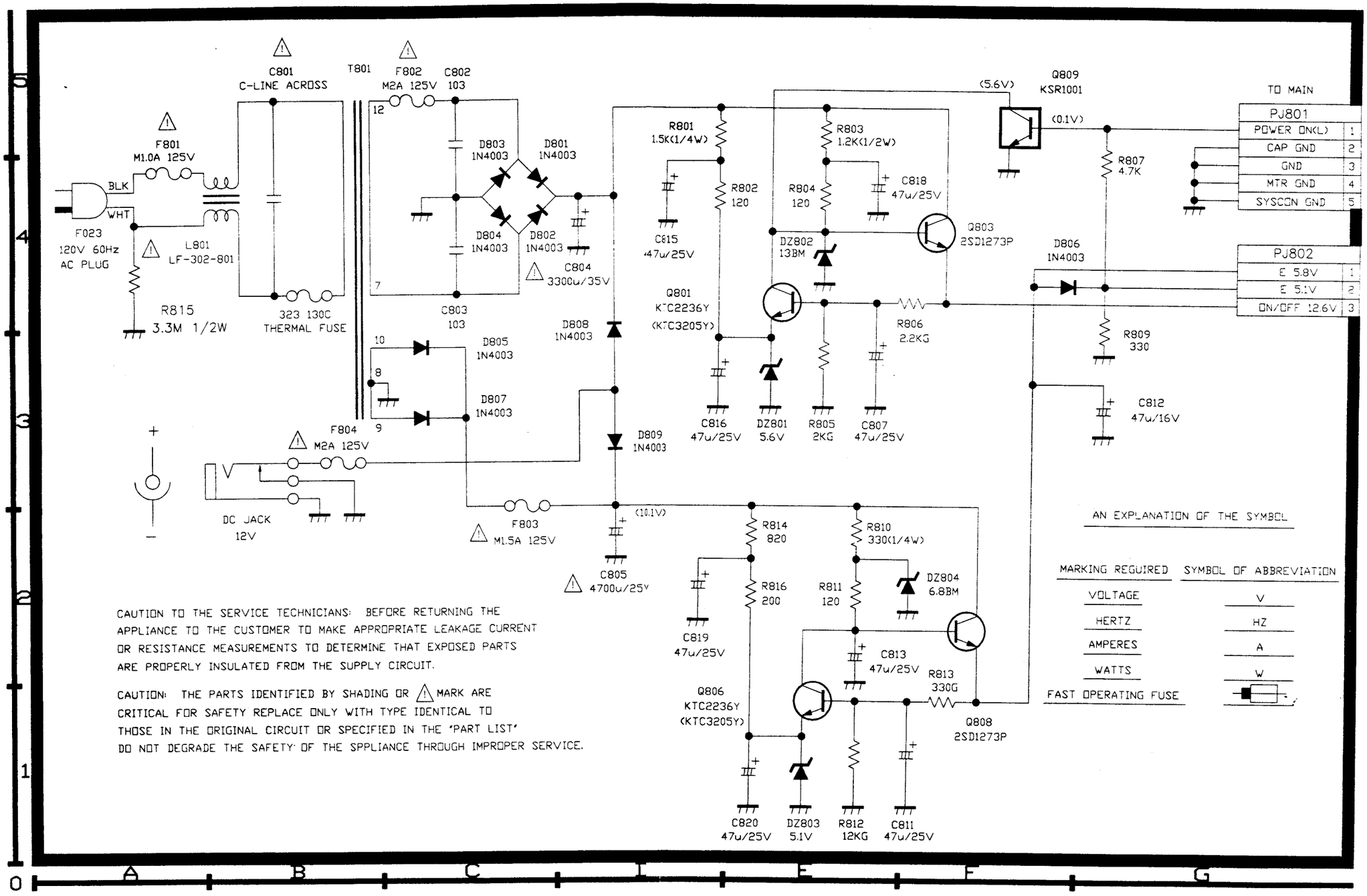
1) Connect the audio level meter to the audio line output jack.
2) Play back the test tape.
3) Adjustment R291 until the audio level meter reads -5 ¡ 1.5dBm play back output.

SECTION 3. CIRCUIT DIAGRAM

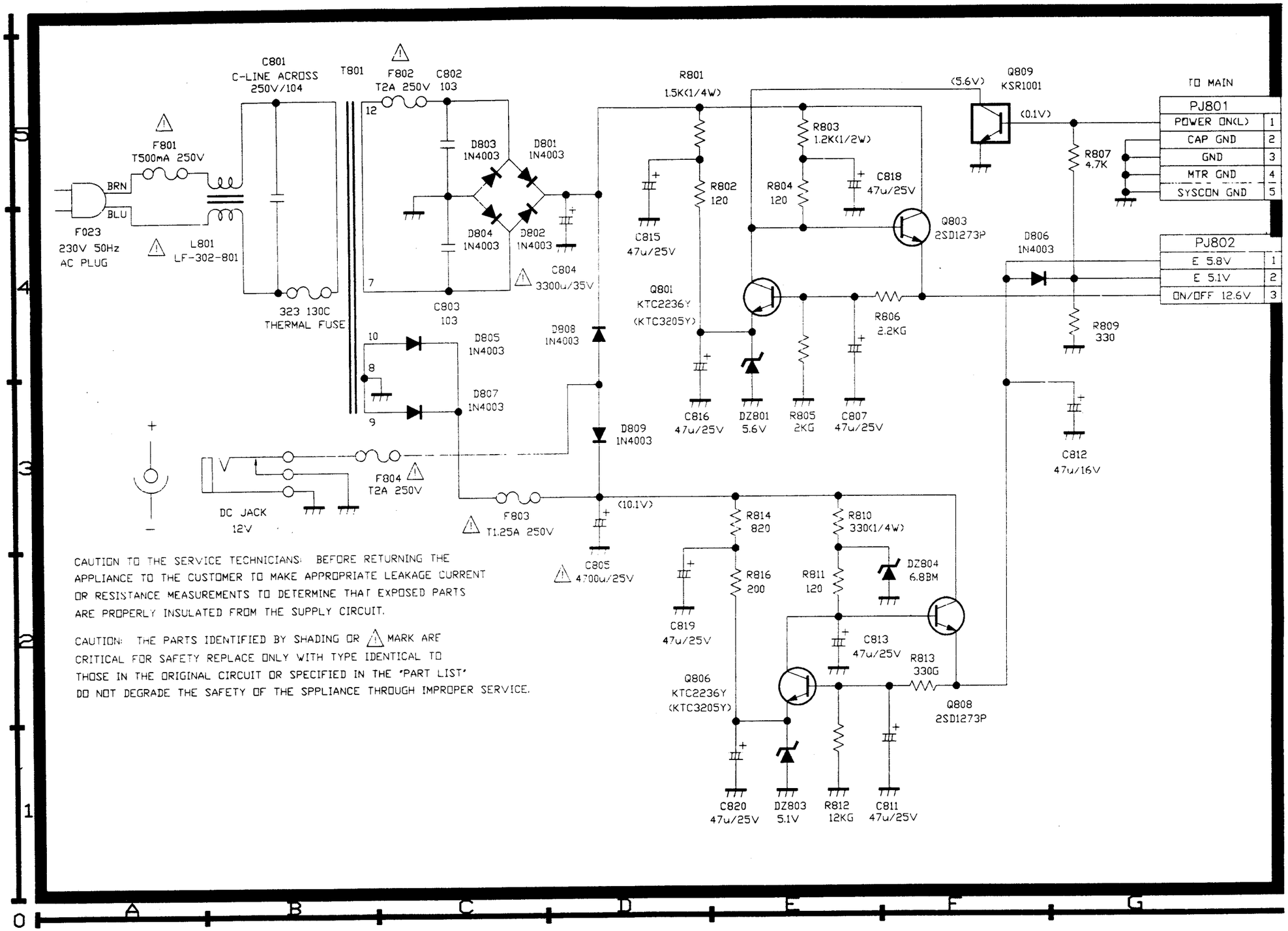
3-1. CONNECTION DIAGRAM



3-2. POWER CIRCUIT DVP-1089N, DVP-1281N



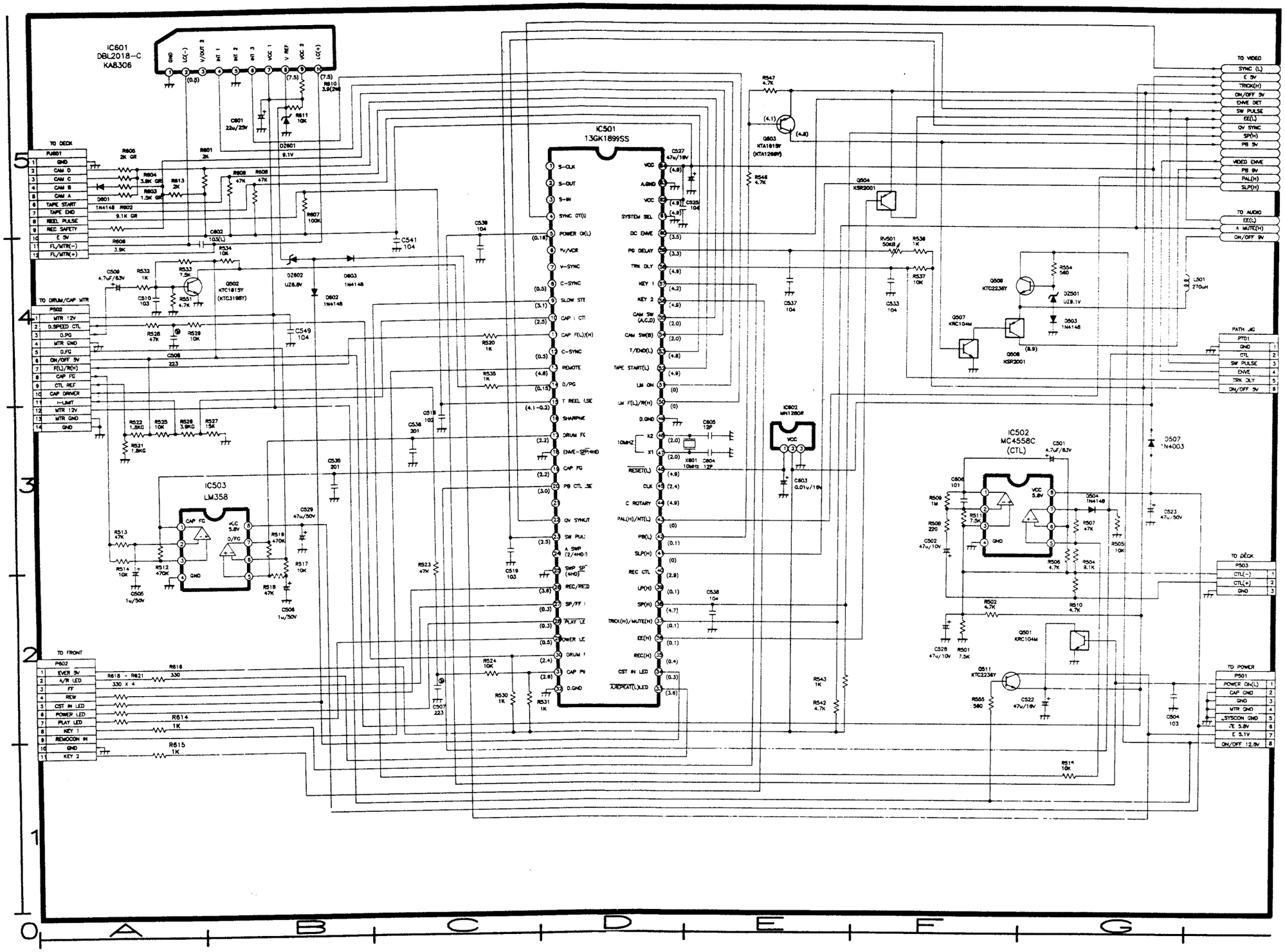
3-3. POWER CIRCUIT (DVP-1089(AM), 1281N(AM))



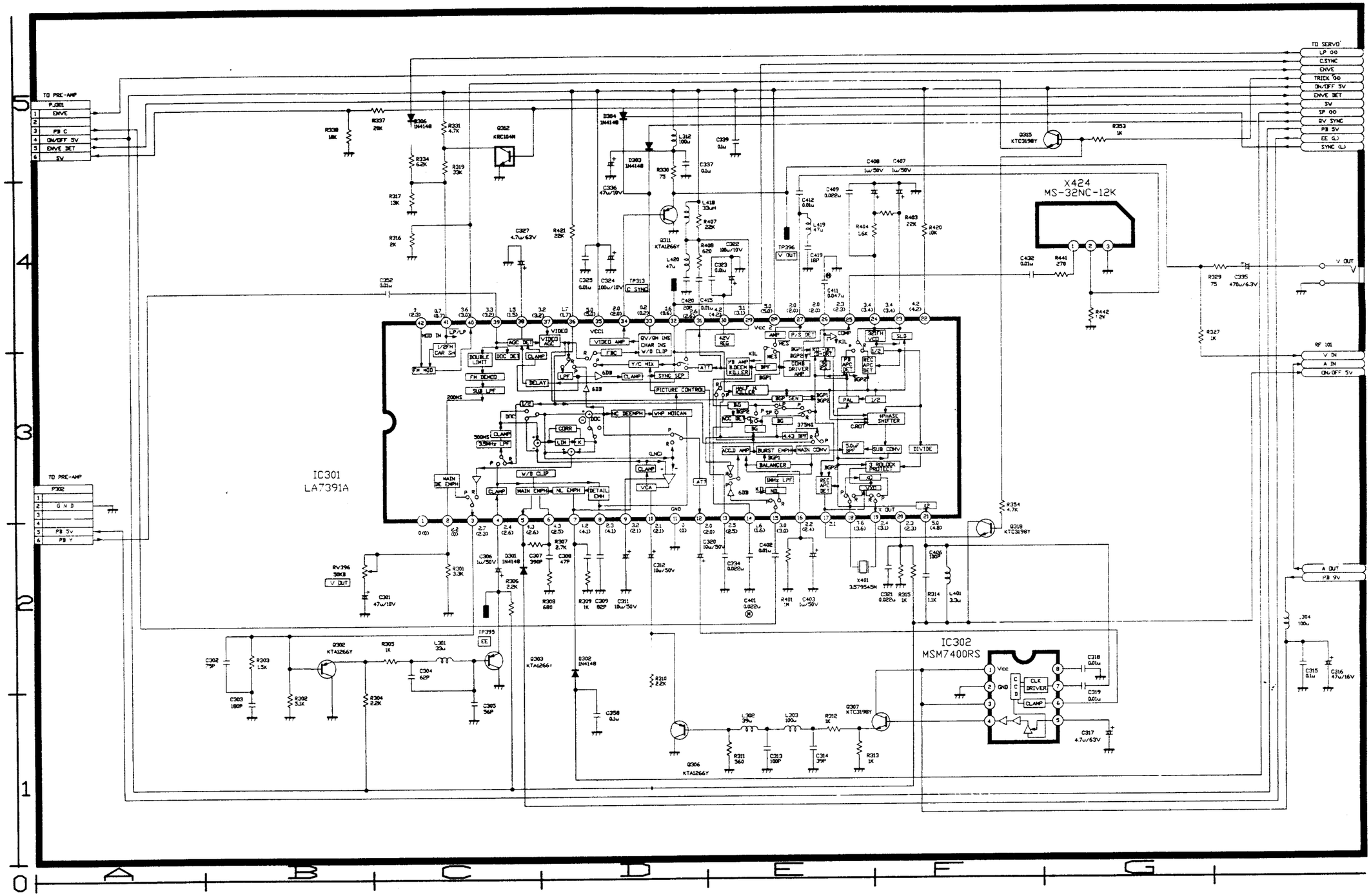
CAUTION TO THE SERVICE TECHNICIANS: BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER TO MAKE APPROPRIATE LEAKAGE CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE PROPERLY INSULATED FROM THE SUPPLY CIRCUIT.

CAUTION: THE PARTS IDENTIFIED BY SHADING OR ⚠ MARK ARE CRITICAL FOR SAFETY REPLACE ONLY WITH TYPE IDENTICAL TO THOSE IN THE ORIGINAL CIRCUIT OR SPECIFIED IN THE 'PART LIST' DO NOT DEGRADE THE SAFETY OF THE SPPLIANCE THROUGH IMPROPER SERVICE.

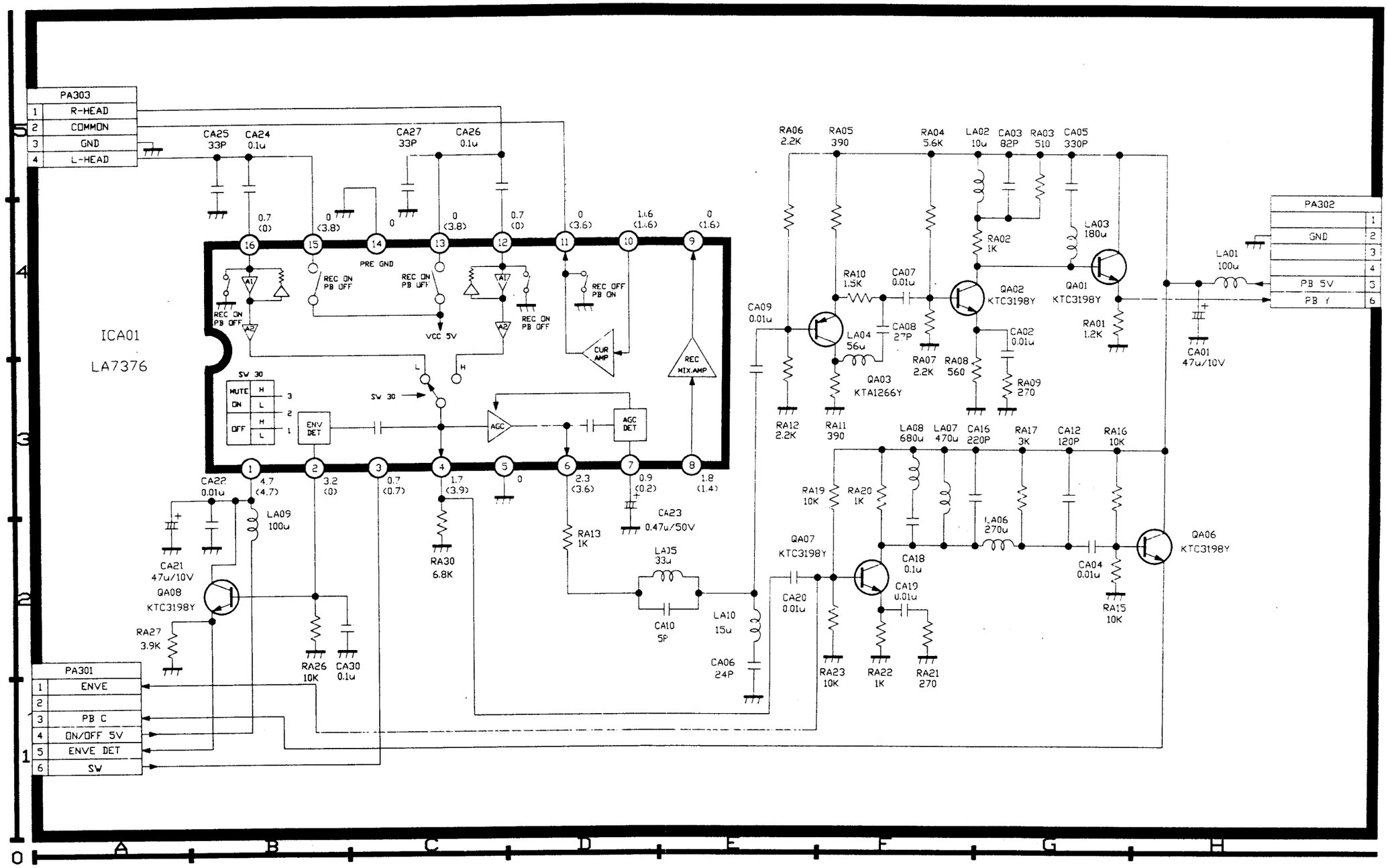
3-4. SERVO/SYSCON CIRCUIT


IC601
DBL2018-C
KA8306
IC501
13GK1899SS
IC502
MC4558C
(CTL)
IC503
LM358
TO DECK
TO DRUM/CAP MTR
TO FRONT
TO VIDEO
TO AUDIO
PATH JIG
TO DECK
TO POWER
Q502 KTC1815Y (KTC3198Y)
Q503 KTA1015Y (KTA1268Y)
Q504 KSR2001
Q506 KTC2236Y
Q507 KRC104M
Q508 KSR2001
Q501 KRC104M
Q511 KTC2236Y
D601 1N4148
D602 1N4148
D603 1N4148
D504 1N4148
D507 1N4003
DZ601 9.1V
DZ602 UZ6.8V
DZ501 UZ9.1V
L501 270uH
X601 10MHz
C801 22u/25V
C802 103(L)
C803 0.01u/16V
C804 12P
C805 12P
C501 4.7uF/6.3V
C502 47u/10V
C503 47u/50V
C504 103
C505 1u/50V
C506 1u/50V
C507 223
C508 4.7uF/6.3V
C509 223
C510 103
C519 103
C522 47u/16V
C523 47u/50V
C525 104
C527 47u/16V
C528 47u/10V
C529 47u/50V
C533 104
C535 201
C536 201
C537 104
C538 104
C539 104
C541 104
C549 104
RV501 50KB
R801 2K
R802 9.1K 0R
R803 1.2K 0R
R804 3.9K 0R
R805 2K 0R
R806 2K 0R
R807 100K
R808 47K
R809 47K
R810 3.9K(2W)
R811 10K
R812 470K
R813 2K
R814 10K
R817 10K
R818 47K
R819 470K
R821 1.8K0
R522 1.8K0
R525 10K
R526 3.9K0
R527 15K
R528 47K
R529 10K
R513 47K
R523 47K
R524 10K
R530 1K
R531 1K
R533 7.5K
R534 10K
R535 1K
R537 10K
R538 1K
R542 4.7K
R543 1K
R544 4.7K
R547 4.7K
R551 10K
R554 560
R555 560
R565 560
R501 7.5K
R502 4.7K
R504 9.1K
R505 10K
R506 4.7K
R507 47K
R508 220
R509 1M
R510 4.7K
R511 7.5K
R512 470K
R514 10K
R517 10K
R518 47K
R519 470K
R521 1.8K0
R522 1.8K0
R525 10K
R526 3.9K0
R527 15K
R528 47K
R529 10K
R533 7.5K
R534 10K
R537 10K
R538 1K
R542 4.7K
R543 1K
R544 4.7K
R547 4.7K
R551 10K
R554 560
R555 560
R565 560
R501 7.5K
R502 4.7K
R504 9.1K
R505 10K
R506 4.7K
R507 47K
R508 220
R509 1M
R510 4.7K
R511 7.5K
R512 470K
R513 47K
R514 10K
R517 10K
R518 47K
R519 470K
R521 1.8K0
R522 1.8K0
R523 47K
R524 10K
R525 10K
R526 3.9K0
R527 15K
R528 47K
R529 10K
R530 1K
R531 1K
R533 7.5K
R534 10K
R535 1

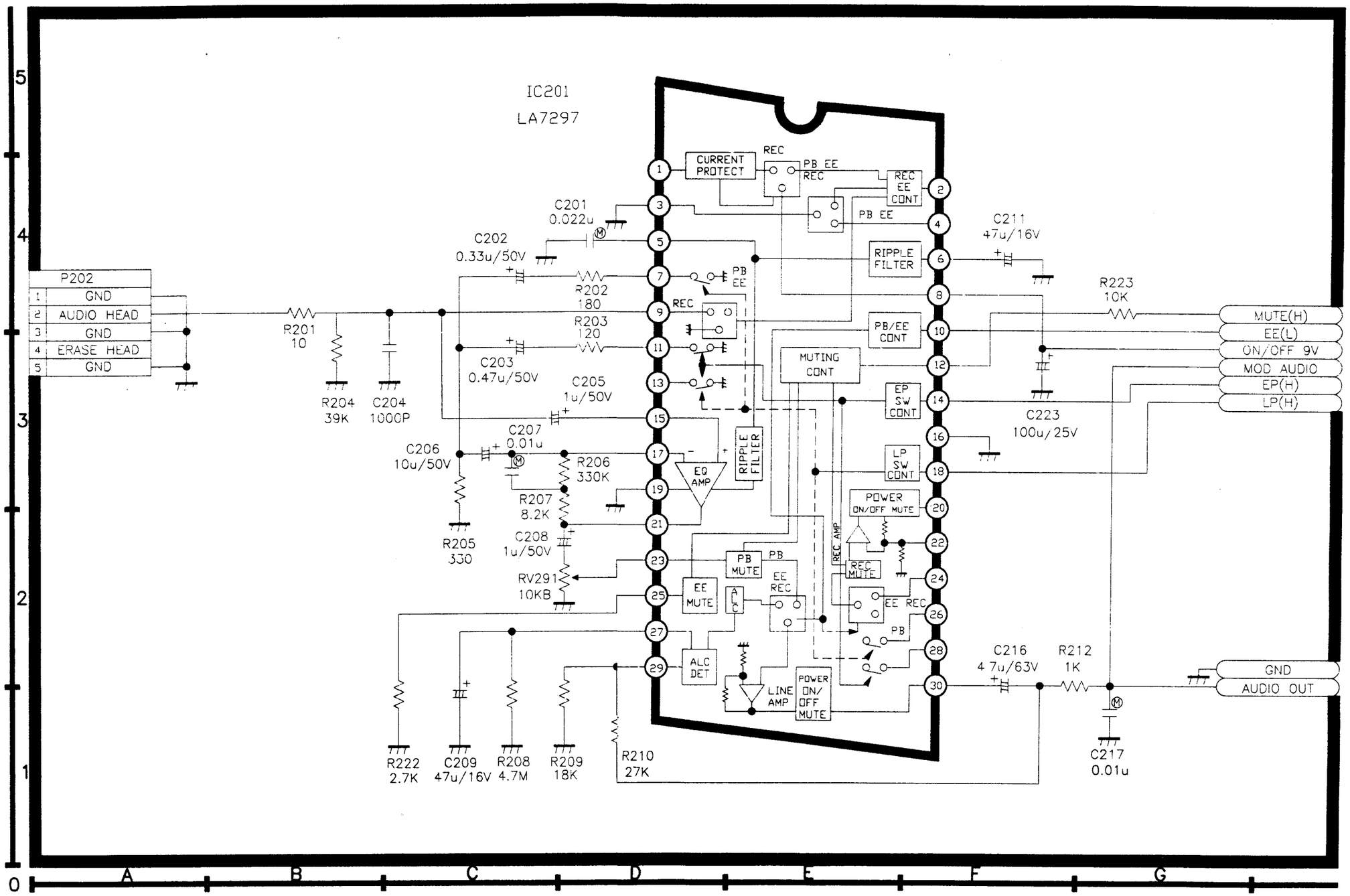
3-5. VIDEO CIRCUIT



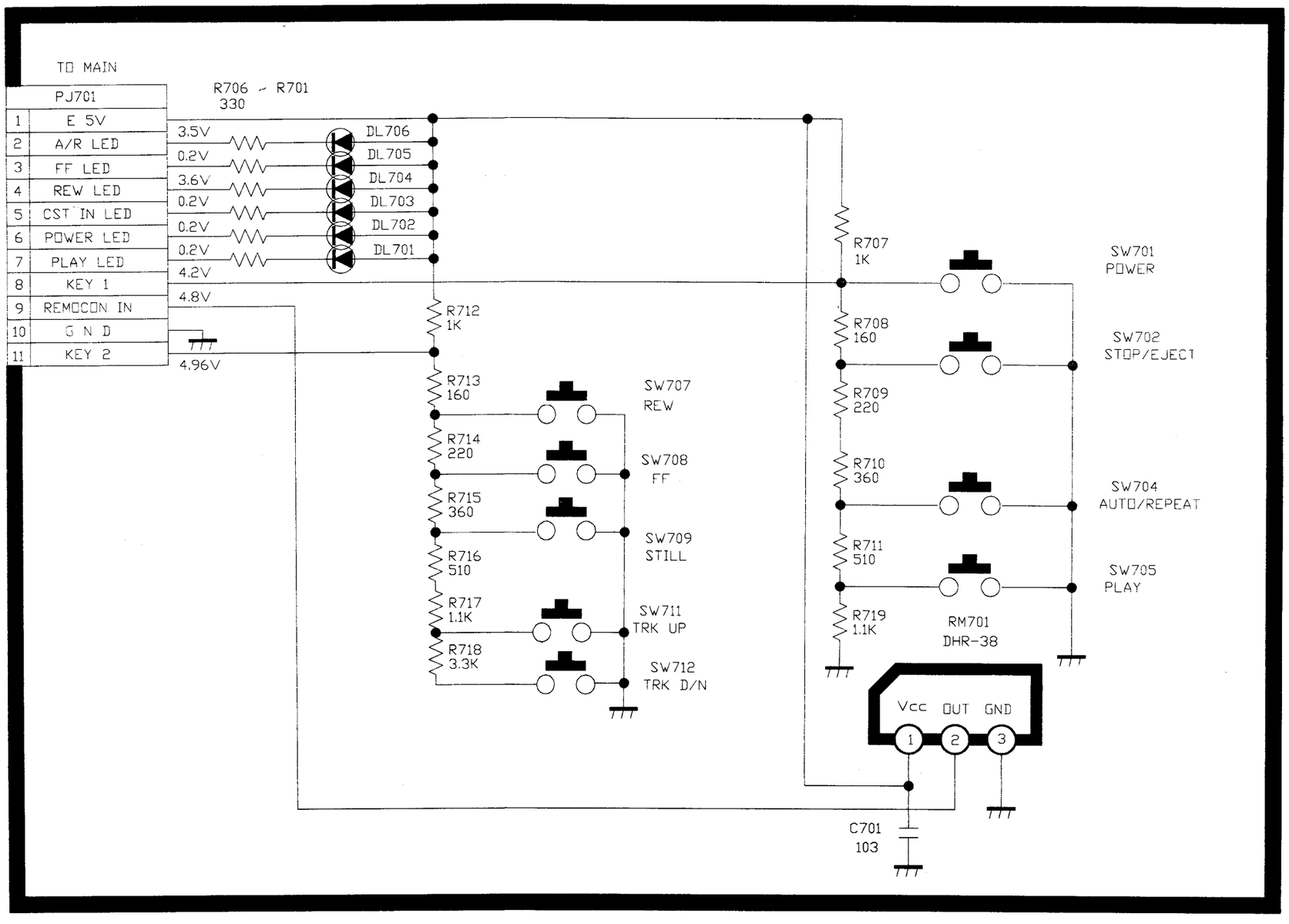
3-6. PRE-AMP CIRCUIT



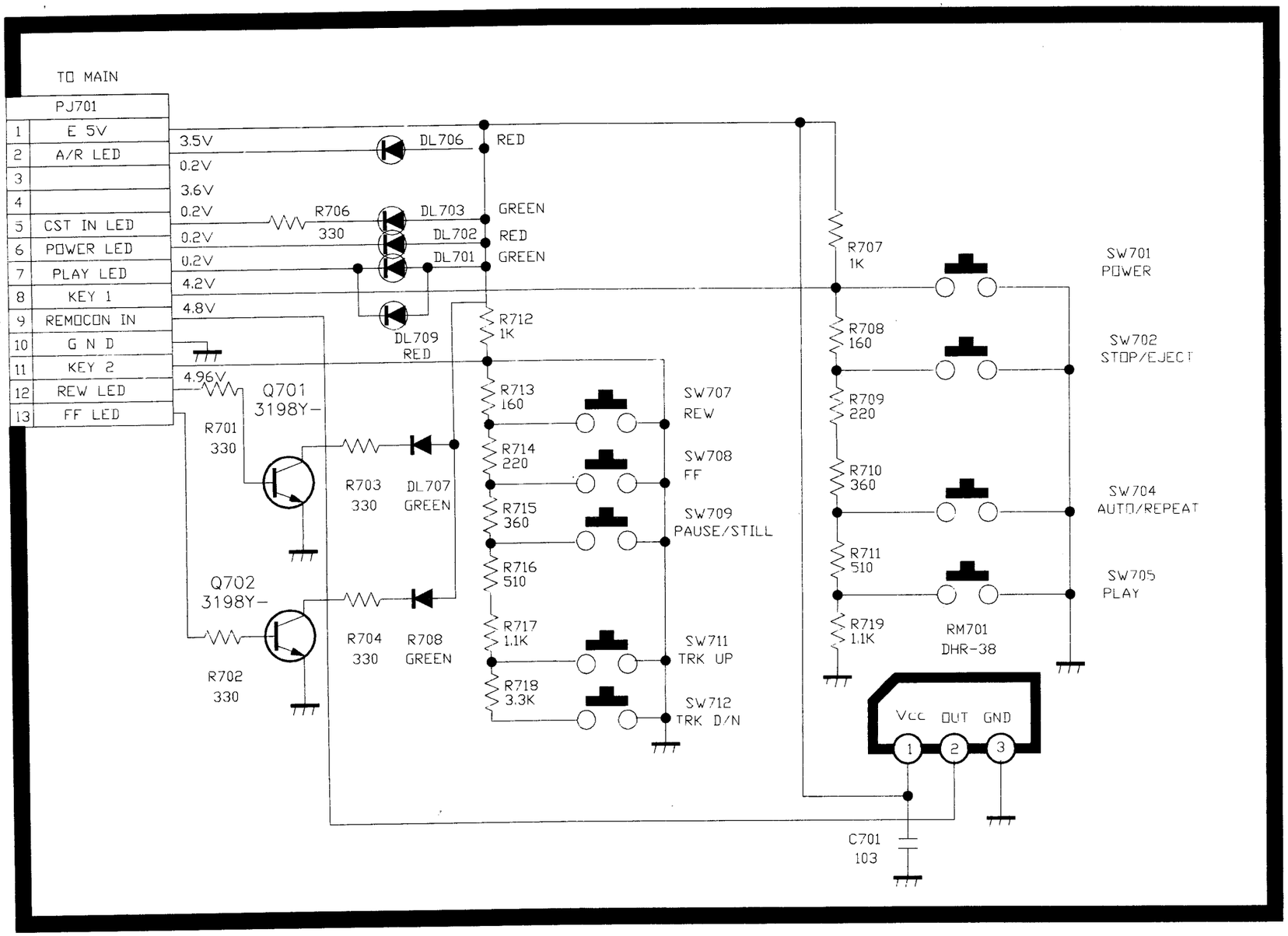
3-7. LINEAR AUDIO CIRCUIT



3-8. LOGIC SW CIRCUIT (DVP-1089N, 1089N(AM))

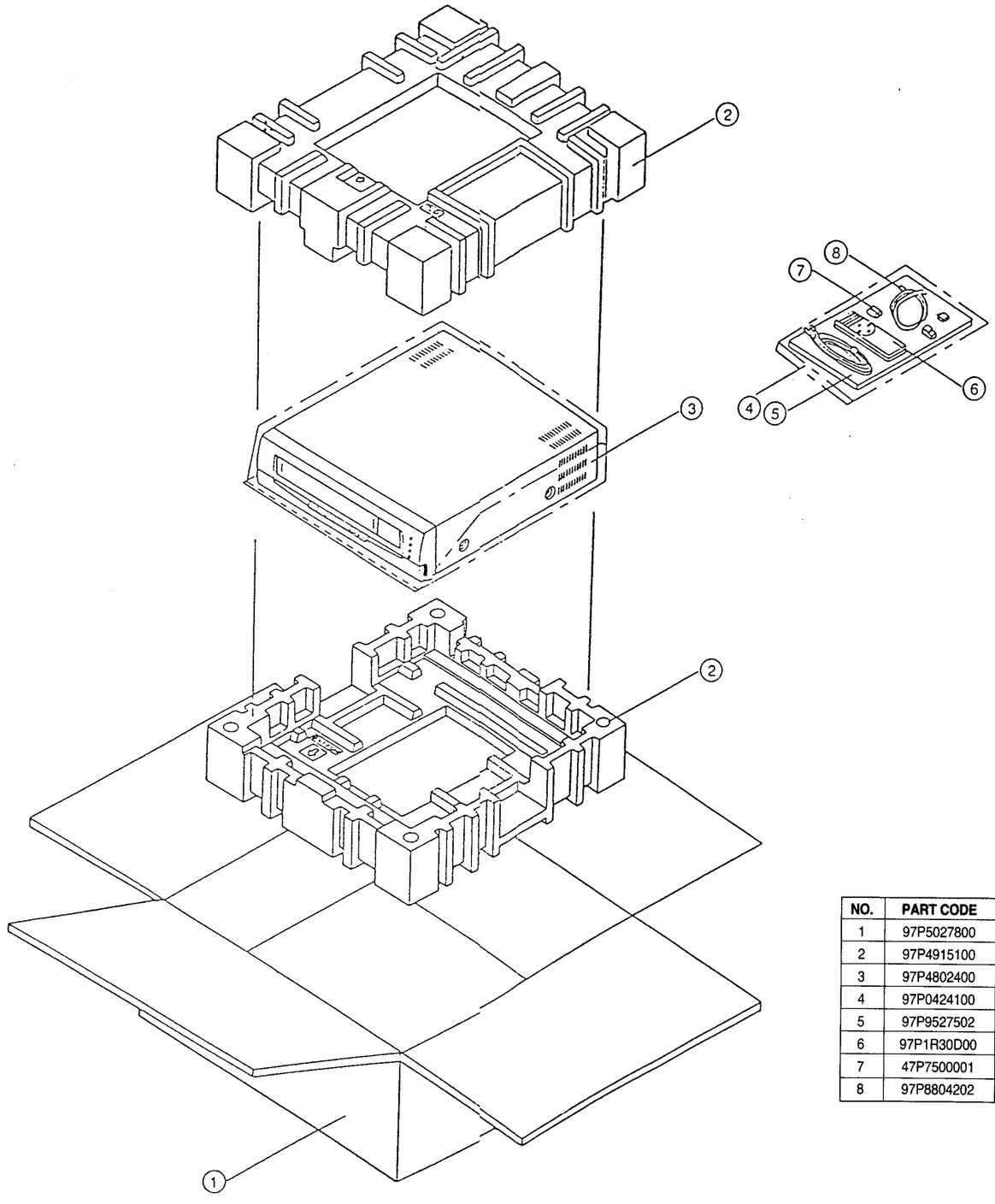


3-9. LOGIC SW CIRCUIT (DVP-1281N, 1281N(AM))



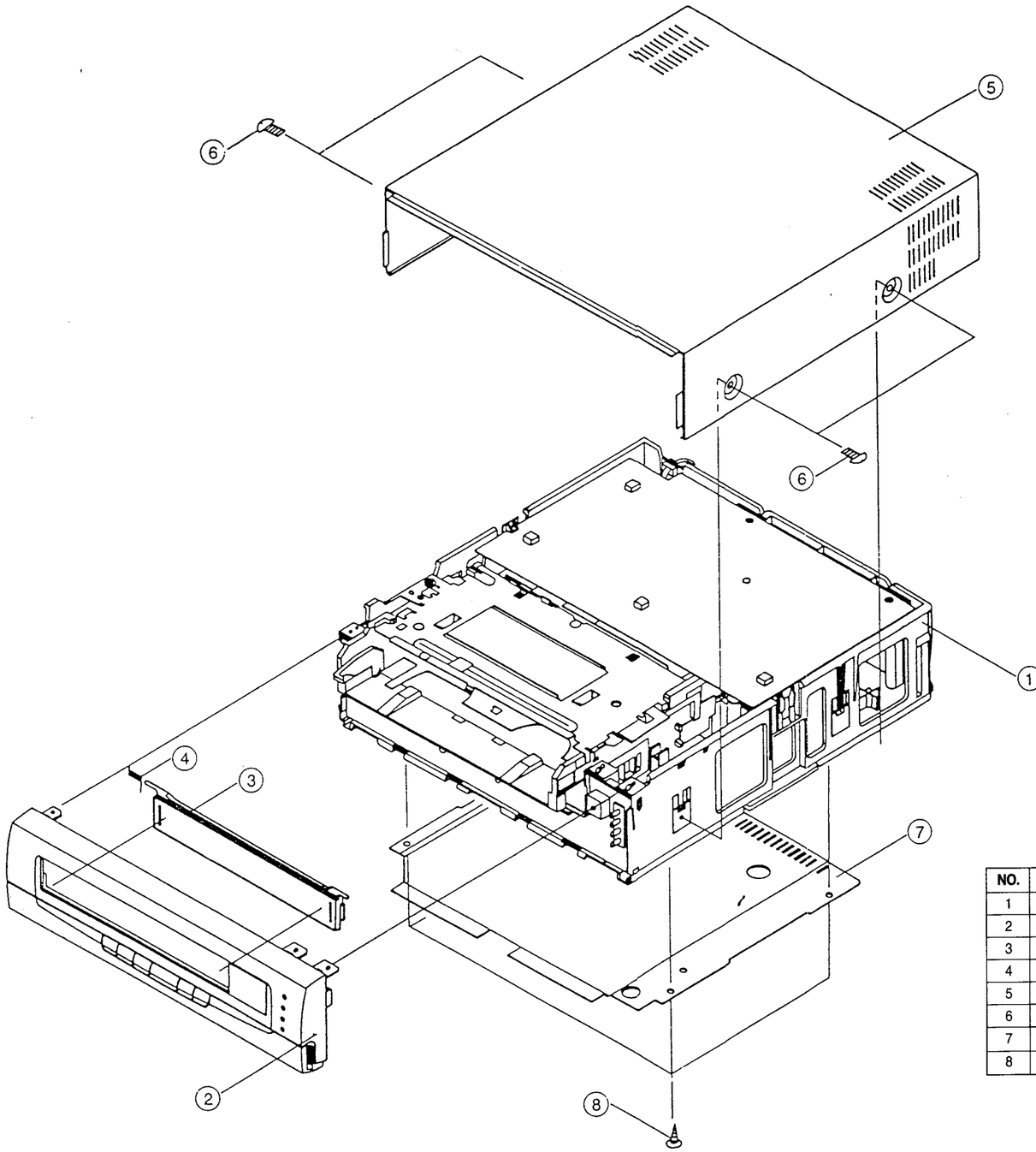
SECTION 4. EXPLODED VIEWS AND PARTS LIST

4-1. PACKING ASSEMBLY



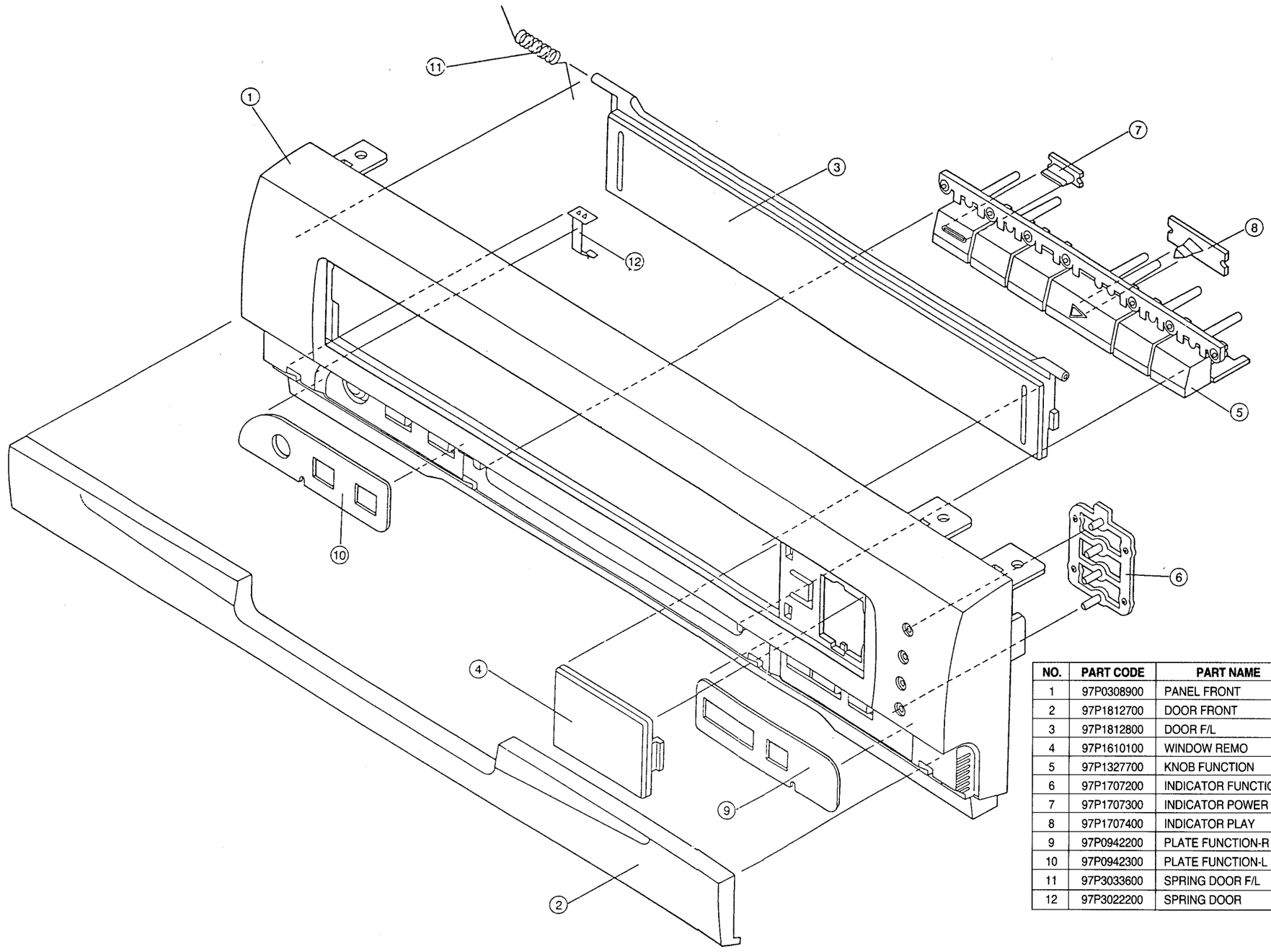
NO.	PART CODE	PART NAME	Q'TY	DESCRIPTIOPN
1	97P5027800	BOX CARTON	1	SW-4
2	97P4915100	PAD TOP/BOTTOM	1	EPS
3	97P4802400	POLY BAG FOR SET	1	HD-PE 0.05
4	97P0424100	COVER ACCESSORY		
5	97P9527502	MANUAL OWNERS	1	ART PARER
6	97P1R30D00	REMOCON HANDSET AS	1	VR-430S/N
7	47P7500001	BATTERY	1	AAM 1.5V
8	97P8804202	CABLE CONNECTOR	1	HP-504(PAL-TYPE)

4-2. SET ASSEMBLY



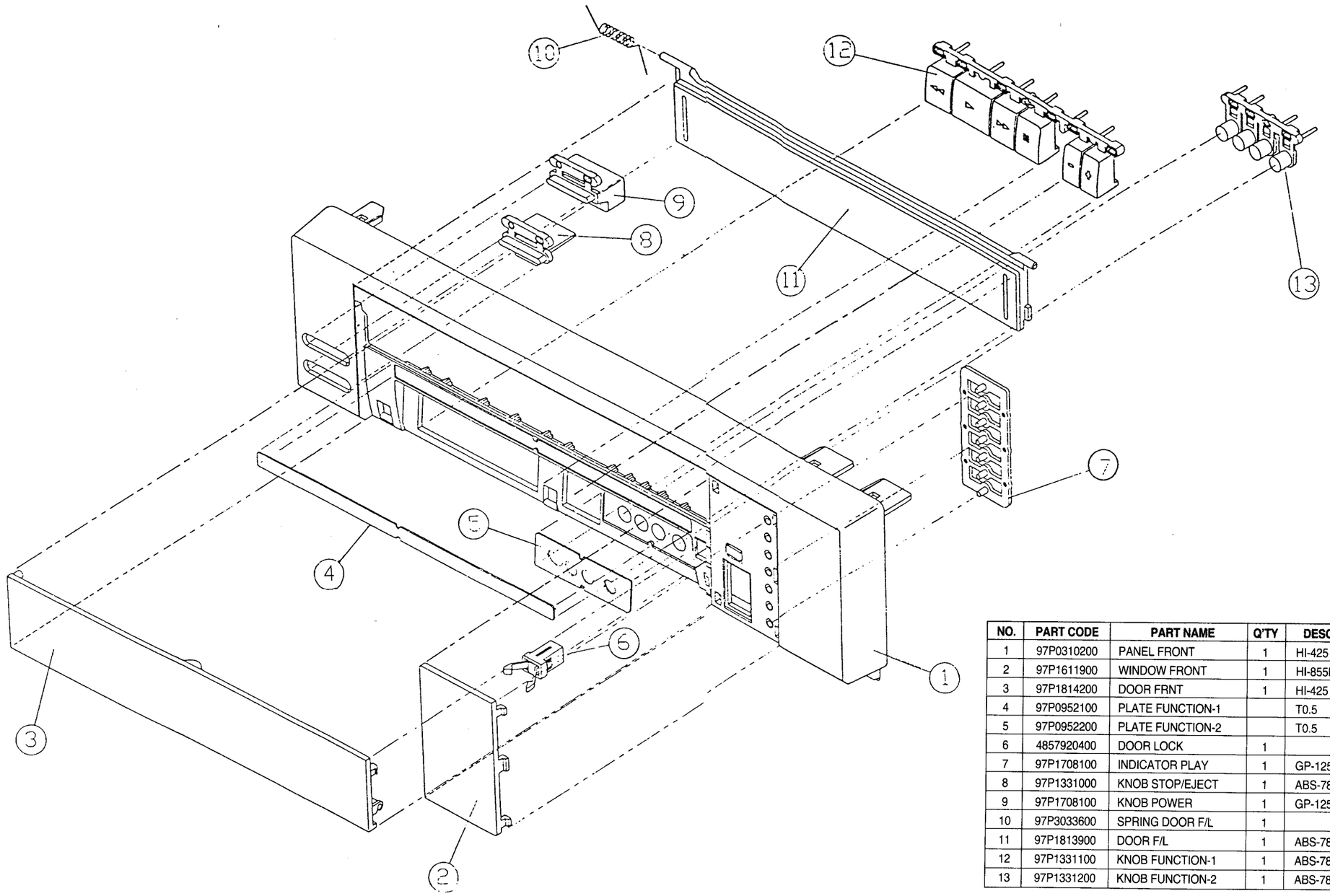
NO.	PART CODE	PART NAME	Q'TY	DESCRIPTIOPN	REMARK
1	97PB166500	CHASSIS MAIN AS	1		
2	97PB166600	PANEL FRONT AS	1		
3	97P1812800	DOOR F/L	1	PC	
4	97P3033600	SPRING F/L DOOR	1	SWPB	
5	97P0449500	COVER TOP	1	SECC T=0.7	
6	7003400812	SCREW MACHINE	4	BIN 4×8 MFZN BK	4 FIX
7	97P0449600	COVER BOTTOM	1	SECC T=0.5	
8	7624301211	SCREW TAPPING	5	T2S RND 3×10	5 FIX

4-3. PANEL FRONT ASSEMBLY (DVP-1089 SERIES)



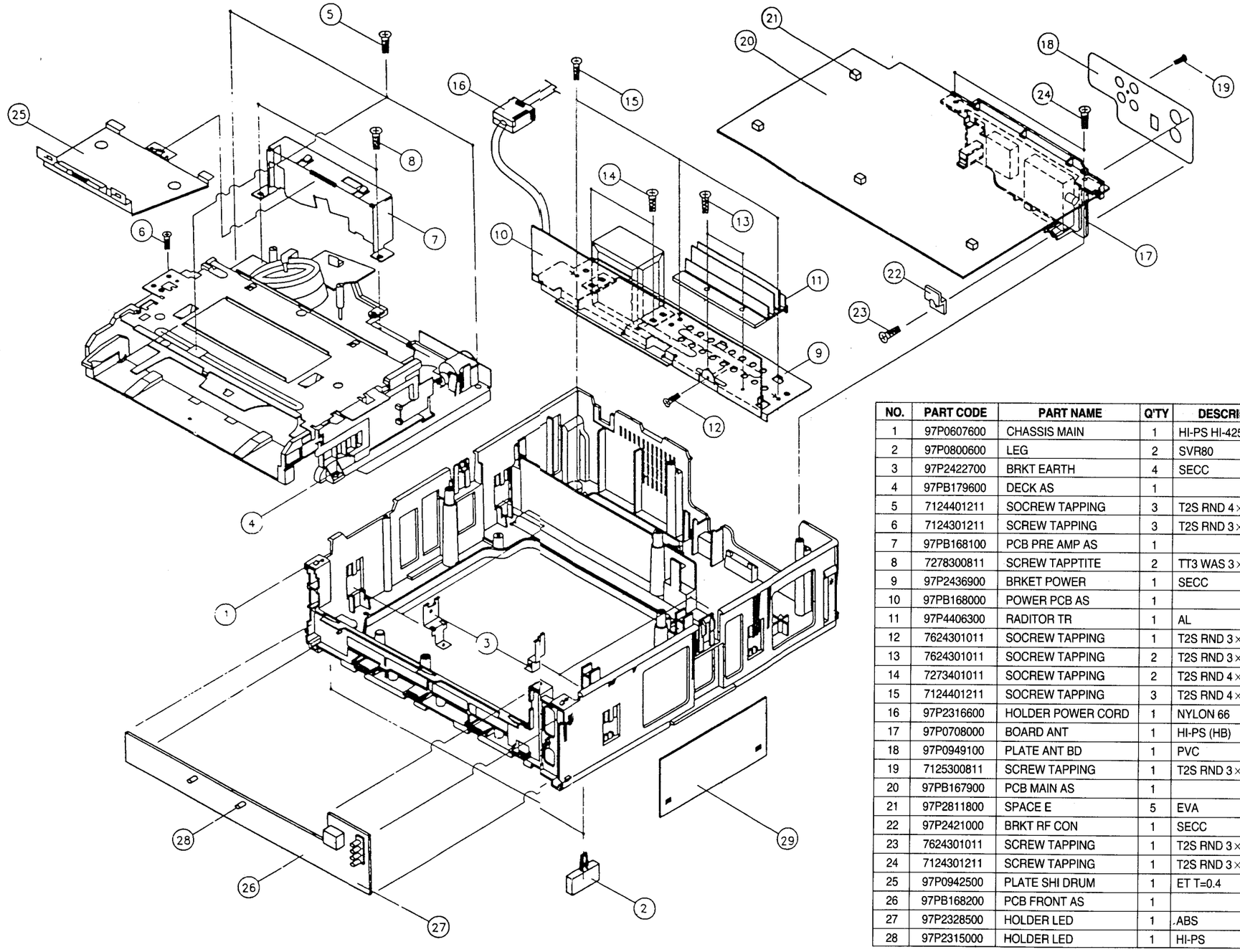
NO.	PART CODE	PART NAME	Q'TY	DESCRIPTIOPN	REMARK
1	97P0308900	PANEL FRONT	1	HI-PS	HI-425
2	97P1812700	DOOR FRONT	1	HI-PS	HI-425
3	97P1812800	DOOR F/L	1	3022R	
4	97P1610100	WINDOW REMO	1	RMMA	HI-855M
5	97P1327700	KNOB FUNCTION	1	ABS	ABS-780 HF-3
6	97P1707200	INDICATOR FUNCTION	1	GPPS	GP-125, 150
7	97P1707300	INDICATOR POWER	1	GPPS	GP-125, 150
8	97P1707400	INDICATOR PLAY	1	GPPS	GP-125, 150
9	97P0942200	PLATE FUNCTION-R	1	PVC T0.5	
10	97P0942300	PLATE FUNCTION-L	1	PVC T0.5	
11	97P3033600	SPRING DOOR F/L	1	SWPB	
12	97P3022200	SPRING DOOR	1	SUS	

4-4. PANEL FRONT ASSEMBLY (DVP-1281SERIES)



NO.	PART CODE	PART NAME	Q'TY	DESCRIPTION	REMARK
1	97P0310200	PANEL FRONT	1	HI-425	
2	97P1611900	WINDOW FRONT	1	HI-855M	
3	97P1814200	DOOR FRNT	1	HI-425	
4	97P0952100	PLATE FUNCTION-1		T0.5	
5	97P0952200	PLATE FUNCTION-2		T0.5	
6	4857920400	DOOR LOCK	1		
7	97P1708100	INDICATOR PLAY	1	GP-125,150	
8	97P1331000	KNOB STOP/EJECT	1	ABS-780, HF-380	
9	97P1708100	KNOB POWER	1	GP-125,150	
10	97P3033600	SPRING DOOR F/L	1		
11	97P1813900	DOOR F/L	1	ABS-780, HF-380	
12	97P1331100	KNOB FUNCTION-1	1	ABS-780,HF-380	
13	97P1331200	KNOB FUNCTION-2	1	ABS-780,HF-380	

4-5. MAIN CHASSIS ASSEMBLY



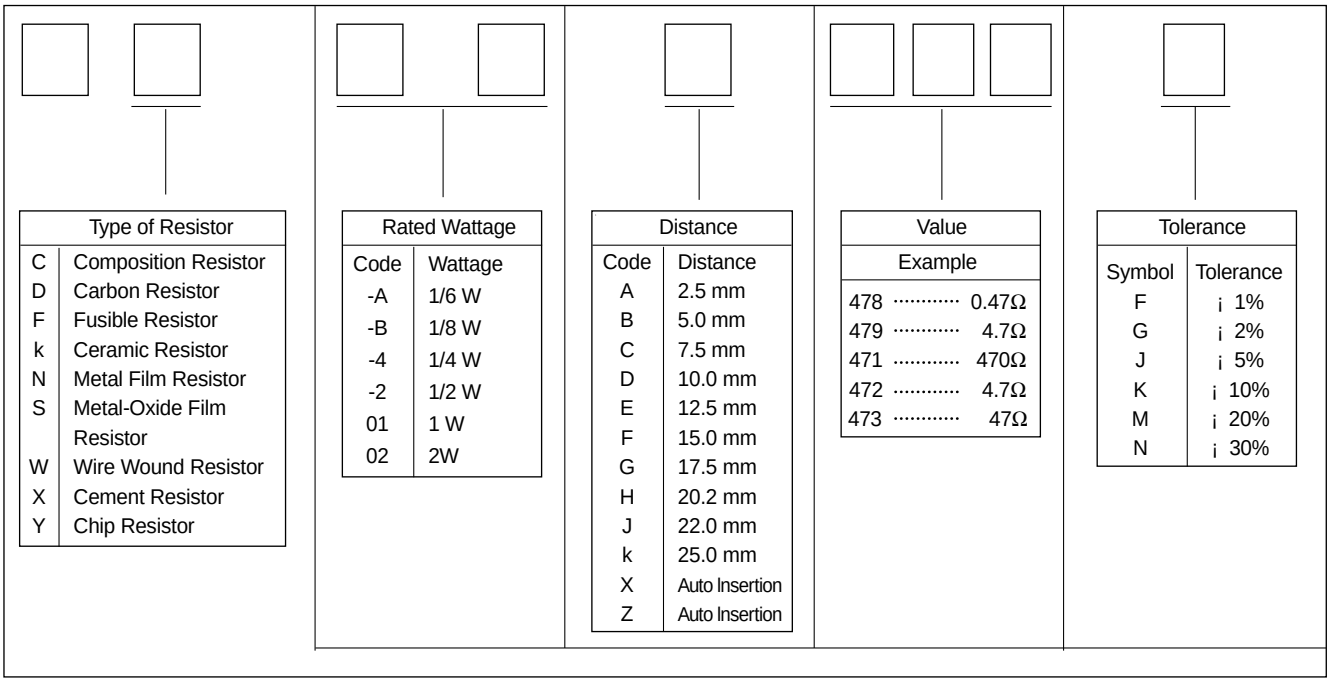
NO.	PART CODE	PART NAME	Q'TY	DESCRIPTION	REMARK
1	97P0607600	CHASSIS MAIN	1	HI-PS HI-425*HB)	BLK
2	97P0800600	LEG	2	SVR80	BLK
3	97P2422700	BRKT EARTH	4	SECC	T=1.0
4	97PB179600	DECK AS	1		
5	7124401211	SOCREW TAPPING	3	T2S RND 4×12 MFZN	4 FIX
6	7124301211	SCREW TAPPING	3	T2S RND 3×12 MFZN	FIX
7	97PB168100	PCB PRE AMP AS	1		
8	7278300811	SCREW TAPPTITE	2	TT3 WAS 3×8 MFZN	7 FIX
9	97P2436900	BRKET POWER	1	SECC	T+1.0
10	97PB168000	POWER PCB AS	1		
11	97P4406300	RADITOR TR	1	AL	
12	7624301011	SOCREW TAPPING	1	T2S RND 3×10 MFZN	10 FIX
13	7624301011	SOCREW TAPPING	2	T2S RND 3×12 MFZN	11 FIX
14	7273401011	SOCREW TAPPING	2	T2S RND 4×12 MFZN	10 FIX
15	7124401211	SOCREW TAPPING	3	T2S RND 4×12 MFZN	9FIX
16	97P2316600	HOLDER POWER CORD	1	NYLON 66	BLK
17	97P0708000	BOARD ANT	1	HI-PS (HB)	
18	97P0949100	PLATE ANT BD	1	PVC	T=0.5
19	7125300811	SCREW TAPPING	1	T2S RND 3×8MFZN	JACK FIX
20	97PB167900	PCB MAIN AS	1		
21	97P2811800	SPACE E	5	EVA	
22	97P2421000	BRKT RF CON	1	SECC	T=1.0
23	7624301011	SCREW TAPPING	1	T2S RND 3×12 MFZN	20 FIX
24	7124301211	SCREW TAPPING	1	T2S RND 3×12 MFZN	20 IFX
25	97P0942500	PLATE SHI DRUM	1	ET T=0.4	
26	97PB168200	PCB FRONT AS	1		
27	97P2328500	HOLDER LED	1	.ABS	
28	97P2315000	HOLDER LED	1	HI-PS	

SECTION 6. ELECTRICAL PARTS LIST

6-1. STANDARD PART NUMBER CODING

6-1-1. RESISTOR CODING

1. Fixed Resistor Coding



Type of Resistor	
C	Composition Resistor
D	Carbon Resistor
F	Fusible Resistor
k	Ceramic Resistor
N	Metal Film Resistor
S	Metal-Oxide Film Resistor
W	Wire Wound Resistor
X	Cement Resistor
Y	Chip Resistor

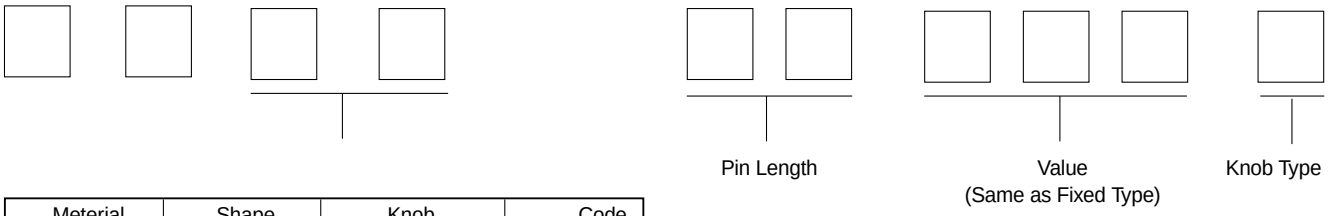
Rated Wattage	
Code	Wattage
-A	1/6 W
-B	1/8 W
-4	1/4 W
-2	1/2 W
01	1 W
02	2W

Distance	
Code	Distance
A	2.5 mm
B	5.0 mm
C	7.5 mm
D	10.0 mm
E	12.5 mm
F	15.0 mm
G	17.5 mm
H	20.2 mm
J	22.0 mm
k	25.0 mm
X	Auto Insertion
Z	Auto Insertion

Value
Example
478 ····· 0.47Ω
479 ····· 4.7Ω
471 ····· 470Ω
472 ····· 4.7Ω
473 ····· 47Ω

Tolerance	
Symbol	Tolerance
F	¡ 1%
G	¡ 2%
J	¡ 5%
K	¡ 10%
M	¡ 20%
N	¡ 30%

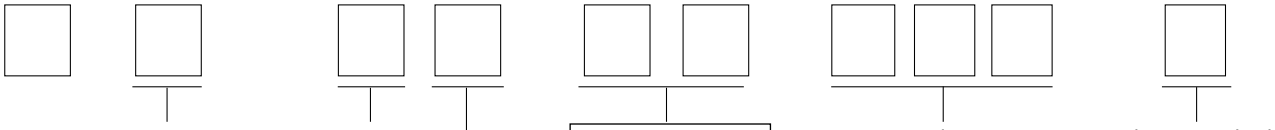
2. Semi-Fixed Resistor Conding



Meterial		Shape	Knob		Code
CARBON FILM	1	VERTICAL	WITH	1	11
			WITHOUT	2	12
		HORIZONTAL	WITH	3	13
			WITHOUT	4	14
METAL GRAZE	2	VERTICAL	WITH	1	21
			WITHOUT	2	22
		HORIZONTAL	WITH	3	23
			WITHOUT	4	24
CARBON SOLID	5	VERTICAL	WITH	1	51
			WITHOUT	2	52
		HORIZONTAL	WITH	3	53
			WITHOUT	4	54
CERMIET	6	VERTICAL	WITH	1	61
			WITHOUT	2	62
		HORIZONTAL	WITH	3	63
			WITHOUT	4	64

6-1-2. CAPACITOR CODING

1. Normal



Type	
Code	Tpye
A	Aluminum
B	Barrier Layer
C	Ceramic
E	Electrolytic
L	Line Across
M	Mylar
S	Styrol
N	Metalized Polyester
Q	Mica
	Oil
T	Tantal

Distance
(Same As Fixed
Resistor)

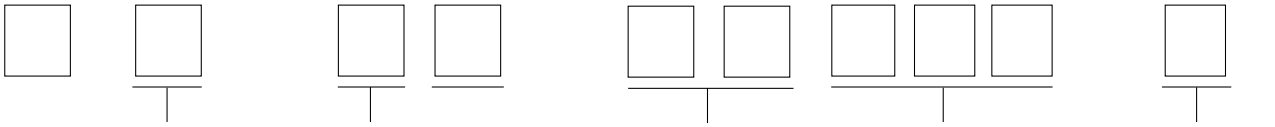
Shape
or
Characteristic

Distance	
Code	Voltage
0J	6.3V
1A	10V
1C	16V
1D	20V
1E	25V
1V	35V
1G	40V
1H	50V
1J	63J
2A	100V
2B	125V
2C	160V
2D	200V
2E	250V

Value
(Same as Fixed
Resistor)

(Same as Fixed
Resistor)

2. Temperature Compensation



Distance
(Sameas Fixed
Resistor)

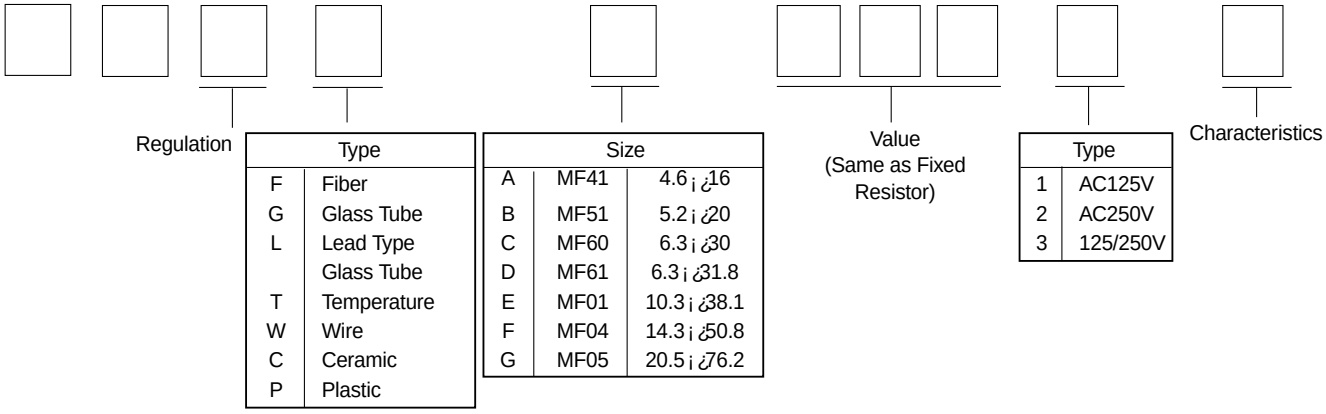
Characteristic			
Capacitance Coefficient (ppm/¡)		Temperature Coefficient(ppm/¡)	
A	+100	F	¡ 15
B	+30	G	¡ 30
C	0	H	¡ 60
H	-30	J	¡ 120
L	-80	K	¡ 250
P	-150	L	¡ 500
R	-220	M	¡ 1000
S	-330	N	¡ 2500
T	-470		
U	-750		
V	-1000		
SI	+350~ -1000		

Voltage
(Same as Normal)

Value
(Same as Fixed
Resistor)

Tolerance
(Same as Fixed
Resistor)

6-1-3. Fuse CODING



6-2. ELECTRICAL PART LIST BY ASSEMBLIES

6-2-1. PCB MAIN AS

LOC	PART CODE	PART NAME	PART DESC
01	97PB198200	PCB MAIN AS	DVP-1080N
C201	CMXM2A223	J C MYLAR	100V 0.022MF J TP
C202	CEXE1H338	A C ELECTRO	50V RS 0.33MF (5X11) TP
C203	CEXE1H478	A C ELECTRO	50V RS 0.47MF (5X11) TP
C204	CCXB1H102K	C CERA	50V B 1000PF K (TAPPING)
C205	CEXE1H109A	C ELECTRO	50V RS 1MF (5X11) TP
C206	CEXE1H100A	C ELECTRO	50V RS 10MF (5X11) TP
C207	CMXM2A103J	C MYLAR	100V 0.01MF J TP
C208	CEXE1H109A	C ELECTRO	50V RS 1MF (5X11) TP
C209	CEXE1C470A	C ELECTRO	16V RS 47MF 6.3X11
C211	CEXE1C470A	C ELECTRO	16V RS 47MF 6.3X11
C216	CEXE1J479A	C ELECTRO	63V RS 4.7MF 5*11
C217	CMXM2A103J	C MYLAR	100V 0.01MF J TP
C223	CEXE1E101A	C ELECTRO	25V RS 100MF 8X11.5
C301	CEXE1A470A	C ELECTRO	10V RS 47MF 5X11
C302	CXSL1H750J	C CERA	50V SL 75PF J
C303	CXSL1H181J	C CERA	50V SL 180PF J
C304	CXSL1H620J	C CERA	50V SL 62 PF J
C305	CXSL1H560J	C CERA	50V SL 56PF J (TAPPING)
C306	CEXE1H109A	C ELECTRO	50V RS 1MF (5X11) TP
C307	CXSL1H391J	C CERA	50V SL 390PF J
C308	CXSL1H470J	C CERA	50V SL 47PF J
C309	CXSL1H121J	C CERA	50V SL 120PF J
C311	CEXE1H100A	C ELECTRO	50V RS 10MF (5X11) TP
C312	CEXE1H100A	C ELECTRO	50V RS 10MF (5X11) TP
C313	CXSL1H101J	C CERA	50V SL 100PF J
C314	CXSL1H390J	C CERA	50V SL 39PF J (TAPPING)
C315	CBXF1H104Z	C CERA SEMI	50V F 0.1MF Z (TAPPING)
C316	CEXE1C470A	C ELECTRO	16V RS 47MF 6.3X11
C317	CEXE1J479A	C ELECTRO	63V RS 4.7MF 5*11
C318	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)
C319	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)
C320	CEXE1H100A	C ELECTRO	50V RS 10MF (5X11) TP
C321	CCXF1H223Z	C CERA	50V F 0.022MF Z (TAPPING)
C322	CEXE1A101A	C ELECTRO	10V RS 100MF 6.3X11
C323	CBXF1H104Z	C CERA SEMI	50V F 0.1MF Z (TAPPING)
C324	CEXE1A101A	C ELECTRO	10V RS 100MF 6.3X11
C325	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)
C327	CEXE1J479A	C ELECTRO	63V RS 4.7MF 5*11

LOC	PART CODE	PART NAME	PART DESC
C334	CCXF1H223Z	C CERA	50V F 0.022MF Z (TAPPING)
C335	CEXE0J471A	C ELECTRO	6.3V RS 470MF 10X12.5
C336	CEXE1A470A	C ELECTRO	10V RS 47MF 5X11
C337	CBXF1H104Z	C CERA SEMI	50V F 0.1MF Z (TAPPING)
C339	CBXF1H104Z	C CERA SEMI	50V F 0.1MF Z (TAPPING)
C352	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
C358	CBXF1H104Z	C CERA SEMI	50V F 0.1MF Z (TAPPING)
C359	CXSL1H101J	C CERA	50V SL 100PF J
C362	CBXF1H104Z	C CERA SEMI	50V F 0.1MF Z (TAPPING)
C401	CMXM2A223J	C MYLAR	100V 0.022MF J TP
C402	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)
C403	CEXE1H109A	C ELECTRO	50V RS 1MF (5X11) TP
C406	CXSL1H101J	C CERA	50V SL 100PF J
C407	CEXE1H109A	C ELECTRO	50V RS 1MF (5X11) TP
C408	CEXE1H109A	C ELECTRO	50V RS 1MF (5X11) TP
C409	CCXF1H223Z	C CERA	50V F 0.022MF Z (TAPPING)
C411	CMXM2A473J	C MYLAR	100V 0.047MF J TP
C412	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)
C415	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)
C419	CXSL1H180J	C CERA	50V SL 18PF J
C420	CXSL1H200J	C CERA	50V SL 20PF J
C432	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)
C501	CEXE1J479A	C ELECTRO	63V RS 4.7MF 5*11
C502	CEXE1A470A	C ELECTRO	10V RS 47MF 5X11
C504	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)
C505	CEXE1H109A	C ELECTRO	50V RS 1MF (5X11) TP
C506	CEXE1H109A	C ELECTRO	50V RS 1MF (5X11) TP
C507	CMXM2A223J	C MYLAR	100V 0.022MF J TP
C508	CMXM2A223J	C MYLAR	100V 0.022MF J TP
C509	CEXE1J479A	C ELECTRO	63V RS 4.7MF 5*11
C510	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)
C516	CCXB1H102K	C CERA	50V B 1000PF K (TAPPING)
C519	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)
C522	CEXE1C470A	C ELECTRO	16V RS 47MF 6.3X11
C523	CEXE1H470A	C ELECTRO	50V RS 47MF 8X11.5
C525	CBXF1H104Z	C CERA SEMI	50V F 0.1MF Z (TAPPING)
C527	CEXE1C470A	C ELECTRO	16V RS 47MF 6.3X11
C528	CEXE1A470A	C ELECTRO	10V RS 47MF 5X11
C529	CEXE1H470A	C ELECTRO	50V RS 47MF 8X11.5

LOC	PART CODE	PART NAME	PART DESC
C533	CBXF1H104Z	C CERA SEMI	50V F 0.1MF Z (TAPPING)
C535	CXSL1H201J	C CERA	SL 50V 200PF J
C536	CXSL1H201J	C CERA	SL 50V 200PF J
C537	CBXF1H104Z	C CERA SEMI	50V F 0.1MF Z (TAPPING)
C539	CBXF1H104Z	C CERA SEMI	50V F 0.1MF Z (TAPPING)
C541	CBXF1H104Z	C CERA SEMI	50V F 0.1MF Z (TAPPING)
C547	CBXF1H104Z	C CERA SEMI	50V F 0.1MF Z (TAPPING)
C549	CBXF1H104Z	C CERA SEMI	50V F 0.1MF Z (TAPPING)
C601	CEXE1E220A	C ELECTRO	25V RS 22MF 5X11 5T
C602	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)
C603	CEXF1C100A	C ELECTRO	16V RSM 10MF (4X7) TP
C604	CXSL1H120J	C CERA	50V SL 12PF J
C605	CXSL1H120J	C CERA	50V SL 12PF J
C606	CXSL1H101J	C CERA	50V SL 100PF J
DZ501	DZZ9R1BM--	DIODE ZENER	UZ-9.1BM AUTO
DZ601	DZZ7R5BM--	DIODE ZENER	UZ-7.5BM
DZ602	DZZ5R6BM--	DIODE ZENER	DZ 5.6BM (AUTO)
D301	DZN4148---	DIODE	1N4148 AUTO 52MM
D302	DZN4148---	DIODE	1N4148 AUTO 52MM
D303	DZN4148---	DIODE	1N4148 AUTO 52MM
D304	DZN4148---	DIODE	1N4148 AUTO 52MM
D306	DZN4148---	DIODE	1N4148 AUTO 52MM
D311	DZN4148---	DIODE	1N4148 AUTO 52MM
D312	DZN4148---	DIODE	1N4148 AUTO 52MM
D503	DZN4148---	DIODE	1N4148 AUTO 52MM
D504	DZN4148---	DIODE	1N4148 AUTO 52MM
D507	DZN4003---	DIODE	IN4003
D601	DZN4148---	DIODE	1N4148 AUTO 52MM
D602	DZN4148---	DIODE	1N4148 AUTO 52MM
D603	DZN4148---	DIODE	1N4148 AUTO 52MM
IC201	1LA7297---	IC	LA 7297
IC301	1LA7391---	IC	LA7391
IC302	1MSM7400RS	IC	MSM7400RS
IC501	13GK18B8SS	IC MICOM	13GK18B8SS
IC502	1MC4558C--	IC OP AMP	MC4558C(KA4558)
IC503	1DBL358---	IC	DBL358 DUAL OP-AMP
IC601	1DBL2018C-	IC DRIVER	DBL2018-C
IC602	1MN1280R--	IC	MN1280R
JP053	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
JP054	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
JW02B	W141BL131-	WIRE LEAD	AWG22 1/0.65 BL 130
JW06E	W141BL131-	WIRE LEAD	AWG22 1/0.65 BL 130
JW07F	W141WH101-	WIRE LEAD	AWG22 1/0.65 WH 100

LOC	PART CODE	PART NAME	PART DESC
JW08G	W141WH101-	WIRE LEAD	AWG22 1/0.65 WH 100
JW301	97P880C115	CONN AS (LUG AS)	4.2D ONE TYPE 150MM
JW302	97P880C125	CONN AS (LUG AS)	4.2D ONE TYPE 250MM
L205	5CPX229K--	COIL PEAKING	2.2UH K RADIAL
L301	5CPX330J--	COIL PEAKING	33UH J RADIAL
L302	5CPX390J--	COIL PEAKING	39UH J RADIAL
L303	5CPX101J--	COIL PEAKING	PL 100UH J (TAPPING)
L304	5CPX101J--	COIL PEAKING	PL 100UH J (TAPPING)
L312	5CPX101J--	COIL PEAKING	PL 100UH J (TAPPING)
L401	5CPX339K--	COIL PEAKING	3.3UH K RADIAL
L418	5CPX330J--	COIL PEAKING	33UH J RADIAL
L419	5CPX470J--	COIL PEAKING	47UH J RADIAL
L420	5CPX470J--	COIL PEAKING	47UH J RADIAL
L501	5CPX271J--	COIL PEAKING	270UH J RADIAL
PJ01	97P6309700	JACK PIN	DSP-9224
PJ301	97P8807805	CONN AS (Y7805)	MAIN-PREAMP(6P-6P)
PJ302	97P8807804	CONN AS (Y7804)	MAIN-PREAMP II(6P-6P)
PJ601	97P8810C24	CONN AS (Y10C24)	12H-12S 240MM (Y7801)
PT01	97P6269000	CONN WAFER	00-8283-0612-00000
P202	97P6268900	CONN WAFER	00-8283-0512-00000
P302	97P6269000	CONN WAFER	00-8283-0612-00000
P501	97P6269200	CONN WAFER	00-8283-0812-00000
P502	97P6269800	CONN WAFER	00-8283-1412-00000
P503	97P6268700	CONN WAFER	00-8283-0312-00000
P602	97P6269500	CONN WAFER	00-8283-1112-00000
Q302	TZTA1266Y-	TR	KTA1266Y- (AUTO)(1015Y)
Q303	TZTA1266Y-	TR	KTA1266Y- (AUTO)(1015Y)
Q306	TZTA1266Y-	TR	KTA1266Y- (AUTO)(1015Y)
Q307	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
Q311	TZTA1266Y-	TR	KTA1266Y- (AUTO)(1015Y)
Q312	TZRC104M--	TR	KRC104M AUTO
Q315	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
Q501	TZRC104M--	TR	KRC104M AUTO
Q502	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
Q503	TZTA1266Y-	TR	KTA1266Y- (AUTO)(1015Y)
Q504	TZSR2001--	TR	KSR2001 (AUTO)
Q507	TZRC104M--	TR	KRC104M AUTO
Q508	TZSR2001--	TR	KSR2001 (AUTO)
Q509	TZTC3205Y-	TR	KTC3205Y (2236Y)
Q511	TZTC3205Y-	TR	KTC3205Y (2236Y)
RF101	97P7207500	MODULATOR RF	MAK2A704
RV291	RV5426103E	R SEMI FIXED	H10K-5X3-6Y-PC-GS
RV396	RV5426503E	R SEMI FIXED	RH 0638C-50K OHM

LOC	PART CODE	PART NAME	PART DESC
RV491	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RV501	RV5426503E	R SEMI FIXED	RH 0638C-50K OHM
R201	RD-AZ100J-	R CARBON FILM	1/6 10 OHM J
R202	RD-AZ181J-	R CARBON FILM	1/6 180 OHM J
R203	RD-AZ121J-	R CARBON FILM	1/6 120 OHM J
R204	RD-AZ393J-	R CARBON FILM	1/6 39K OHM J
R205	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J
R206	RD-AZ334J-	R CARBON FILM	1/6 330K OHM J
R207	RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J
R208	RD-AZ475J-	R CARBON FILM	1/6 4.7M OHM J
R209	RD-AZ183J-	R CARBON FILM	1/6 18K OHM J
R210	RD-AZ273J-	R CARBON FILM	1/6 27K OHM J
R212	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R223	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R301	RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R302	RD-AZ512J-	R CARBON FILM	1/6 5.1K OHM J
R303	RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R304	RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R305	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R306	RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R307	RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R308	RD-AZ681J-	R CARBON FILM	1/6 680 OHM J
R309	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R310	RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R311	RD-AZ561J-	R CARBON FILM	1/6 560 OHM J
R312	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R313	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R314	RD-AZ112J-	R CARBON FILM	1/6 1.1K OHM J
R315	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R316	RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
R317	RD-AZ133J-	R CARBON FILM	1/6 13K OHM J
R318	85801065G	Y WIRE COPPER	AWG22 1/0.65 TIN COATING
R319	RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R327	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R329	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J
R330	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J
R331	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R334	RD-AZ622J-	R CARBON FILM	1/6 6.2K OHM J
R337	RD-AZ203J-	R CARBON FILM	1/6 20K OHM J
R338	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R353	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R403	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J
R404	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J

LOC	PART CODE	PART NAME	PART DESC
R407	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J
R408	RD-AZ621J-	R CARBON FILM	1/6 620 OHM J
R420	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R421	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J
R441	RD-AZ271J-	R CARBON FILM	1/6 270 OHM J
R442	RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J
R501	RD-AZ752J-	R CARBON FILM	1/6 7.5K OHM J
R502	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R504	RD-AZ912J-	R CARBON FILM	1/6 9.1K OHM J
R505	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R506	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R507	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R508	RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
R509	RD-AZ105J-	R CARBON FILM	1/6 1M OHM J
R510	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R511	RD-AZ752J-	R CARBON FILM	1/6 7.5K OHM J
R512	RD-AZ474J-	R CARBON FILM	1/6 470K OHM J
R513	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R514	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R515	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R517	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R518	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R519	RD-AZ474J-	R CARBON FILM	1/6 470K OHM J
R520	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R521	RD-AZ182G-	R CARBON FILM	1/6 1.8K OHM G
R522	RD-AZ182G-	R CARBON FILM	1/6 1.8K OHM G
R523	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R524	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R525	RD-AZ103G-	R CARBON FILM	1/6 10K OHM G
R526	RD-AZ362G-	R CARBON FILM	1/6 3.6K OHM G
R527	RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R528	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R529	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R530	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R531	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R532	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R533	RD-AZ752J-	R CARBON FILM	1/6 7.5K OHM J
R534	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R535	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R536	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R537	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R540	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J
R542	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J

LOC	PART CODE	PART NAME	PART DESC
R543	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R544	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R546	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R547	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R551	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R552	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R554	RD-AZ561J-	R CARBON FILM	1/6 560 OHM J
R555	RD-AZ561J-	R CARBON FILM	1/6 560 OHM J
R558	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R559	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R601	RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
R602	RD-AZ912G-	R CARBON FILM	1/6 9.1K OHM G
R603	RD-AZ152G-	R CARBON FILM	1/6 1.5K OHM G
R604	RD-AZ392G-	R CARBON FILM	1/6 3.9K OHM G
R605	RD-AZ202G-	R CARBON FILM	1/6 2K OHM G
R606	RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J
R607	RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R608	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J

LOC	PART CODE	PART NAME	PART DESC
R609	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R610	RS02Y399J-	R M-OXIDE FILM	2W 3.9 OHM J
R611	RD-AZ911J-	R CARBON FILM	1/6 910 OHM J
R613	RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
R614	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R615	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R616	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J
R618	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J
R619	85801065G	Y WIRE COPPER	AWG22 1/0.65 TIN COATING
R620	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J
R621	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J
TP313	85801065G	Y WIRE COPPER	AWG22 1/0.65 TIN COATING
TP396	85801065G	Y WIRE COPPER	AWG22 1/0.65 TIN COATING
U301	97P6541203	PCB MAIN	284X170X1.6T(1080)
X401	5XE3R5795B	CRYSTAL QUARTZ	HC-49/U 3.579545MHZ 15PPM
X424	97P7002600	DELAY LINE	1H COMB MS-32NC-12K
X601	5XE10R000C	CRYSTAL QUARTZ	HC-49/U 10.00000MHZ 20PPM

6-2-2. PCB POWER [DVP-1089N, 1281N]

LOC	PART CODE	PART NAME	PART DESC
02	97PB198000	PCB POWER AS	DVR-1080N
C801	CLYS2E104M	C LINE ACROSS	AC250V 0.1MF M E,A,SEV
C802	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)
C803	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)
C804	CEXF1V332V	C ELECTRO	35V RSS 3300MF 18*35.5
C805	CEXF1E472V	C ELECTRO	25V RSS 4700MF 18*35.5
C807	CEXE1E470A	C ELECTRO	25V RS 47MF 6.3*11
C811	CEXE1E470A	C ELECTRO	25V RS 47MF 6.3*11
C812	CEXE1C470A	C ELECTRO	16V RS 47MF 6.3X11
C813	CEXE1E470A	C ELECTRO	25V RS 47MF 6.3*11
C815	CEXE1E470A	C ELECTRO	25V RS 47MF 6.3*11
C816	CEXE1E470A	C ELECTRO	25V RS 47MF 6.3*11
C818	CEXE1E470A	C ELECTRO	25V RS 47MF 6.3*11
C819	CEXE1E470A	C ELECTRO	25V RS 47MF 6.3*11
C820	CEXE1E470A	C ELECTRO	25V RS 47MF 6.3*11
DZ801	DZZ5R6BM--	DIODE ZENER	DZ 5.6BM (AUTO)
DZ803	DZA105R1L-	DIODE ZENER	MA 1051L (5R1)
DZ804	DZZ6R8BM--	DIODE ZENER	UZ-6.8BM AUTO
D801	DZN4003---	DIODE	IN4003
D802	DZN4003---	DIODE	IN4003
D803	DZN4003---	DIODE	IN4003
D804	DZN4003---	DIODE	IN4003
D805	DZN4003---	DIODE	IN4003
D806	DZN4003---	DIODE	IN4003
D807	DZN4003---	DIODE	IN4003
D808	DZN4003---	DIODE	IN4003
D809	DZN4003---	DIODE	IN4003
F023	97PA457500	CORD AC AS	10A 125V SPT-2+BSP3 UL/CS
POA	4859900321	CORD POWER	KKP-8W SPT-2#18AWG(ST)
POB	4857416500	TERM MALE W/MTD	BSP3-1/2H T0.2 SN-3
F801	5FUGB1021M	FUSE GLASS TUBE	UL MF51 1A 125V NM
F801A	97P460170P	CLIP FUSE	PFC5000-0702
F801B	97P460170P	CLIP FUSE	PFC5000-0702
F802	5F1GB2021M	FUSE GLASS TUBE	UL/CSA NM 2A 125V MF51
F802A	97P460170P	CLIP FUSE	PFC5000-0702
F802B	97P460170P	CLIP FUSE	PFC5000-0702
F803	5F1GB1521M	FUSE GLASS TUBE	UL/CSA MF51 1.5A 125V NM

LOC	PART CODE	PART NAME	PART DESC
F803A	97P460170P	CLIP FUSE	PFC5000-0702
F803B	97P460170P	CLIP FUSE	PFC5000-0702
F804	5F1GB2021M	FUSE GLASS TUBE	UL/CSA NM 2A 125V MF51
F804A	97P460170P	CLIP FUSE	PFC5000-0702
F804B	97P460170P	CLIP FUSE	PFC5000-0702
JA801	97P6310100	JACK DC AS	YSC-1534-1
L801	5PLF302---	FILTER LINE	LF-302-801
PJ801	97P885X023	CONN AS (Y5X023)	8H-5S/3S 270MM (Y7803)
Q801	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
Q803	T2SD1273P-	TR	2SD1273-P
Q806	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
Q808	T2SD1273P-	TR	2SD1273-P
Q809	TZSR1001--	TR	KSR1001 (AUTO)
R801	RD-4Z152J-	R CARBON FILM	1/4 1.5K OHM J
R802	RD-AZ121J-	R CARBON FILM	1/6 120 OHM J
R803	RD-2Z122J-	R CARBON FILM	1/2 1.2K OHM J
R804	RD-AZ121J-	R CARBON FILM	1/6 120 OHM J
R805	RD-AZ202G-	R CARBON FILM	1/6 2K OHM G
R806	RD-AZ202G-	R CARBON FILM	1/6 2K OHM G
R807	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R809	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J
R810	RD-4Z331J-	R CARBON FILM	1/4 330 OHM J
R811	RD-AZ121J-	R CARBON FILM	1/6 120 OHM J
R812	RD-AZ123G-	R CARBON FILM	1/6 12K OHM G
R813	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J
R814	RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R815	RD-2Z335J-	R CARBON FILM	1/2 3.3M OHM J
R816	RD-AZ201J-	R CARBON FILM	1/6 200 OHM J
T801	57P1057155	TRANS POWER	TPW-1080N
U801	97P6541208	PCB POWER	246X266.5X1.6T/4<1080N(JB
0001	97P2436900	BRACKET POWER	SECC T1.0
0002	97P4406300	RADIATOR TR	AL
0003	7624301011	SCREW TAPPING	T2S RND 3X10 PW MFZN
0004	7273401011	SCREW TAPPTITE	TT3 BIN 4X10 MFZN
0005	7624301211	SCREW TAPPING	T2S RND 3X12 PW MFZN
0006	88601050BK	WIRE BIND	1/0.5 BLACK
0007	97P4804800	POLY BAG FOR AC	CORD LD-PE T0.03 (400X90)

6-2-3. PCB POWER [DVP-1089N(AM), 1281N(AM)]

LOC	PART CODE	PART NAME	PART DESC
02	97PC177800	PCB POWER AS	DVR-1181W(GM)
C801	CLYS2E104M	C LINE ACROSS	AC250V 0.1MF M E,A,SEV
C802	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)
C803	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)
C804	CEXF1V332V	C ELECTRO	35V RSS 3300MF 18*35.5
C805	CEXF1E472V	C ELECTRO	25V RSS 4700MF 18*35.5
C807	CEXE1E470A	C ELECTRO	25V RS 47MF 6.3*11
C811	CEXE1E470A	C ELECTRO	25V RS 47MF 6.3*11
C812	CEXE1C470A	C ELECTRO	16V RS 47MF 6.3X11
C813	CEXE1E470A	C ELECTRO	25V RS 47MF 6.3*11
C815	CEXE1E470A	C ELECTRO	25V RS 47MF 6.3*11
C816	CEXE1E470A	C ELECTRO	25V RS 47MF 6.3*11
C818	CEXE1E470A	C ELECTRO	25V RS 47MF 6.3*11
C819	CEXE1E470A	C ELECTRO	25V RS 47MF 6.3*11
C820	CEXE1E470A	C ELECTRO	25V RS 47MF 6.3*11
DZ801	DZZ5R6BM--	DIODE ZENER	DZ 5.6BM (AUTO)
DZ803	DZA105R1L-	DIODE ZENER	MA 1051L (5R1)
DZ804	DZZ6R8BM--	DIODE ZENER	UZ-6.8BM AUTO
D801	DZN4003---	DIODE	IN4003
D802	DZN4003---	DIODE	IN4003
D803	DZN4003---	DIODE	IN4003
D804	DZN4003---	DIODE	IN4003
D805	DZN4003---	DIODE	IN4003
D806	DZN4003---	DIODE	IN4003
D807	DZN4003---	DIODE	IN4003
D808	DZN4003---	DIODE	IN4003
D809	DZN4003---	DIODE	IN4003
F023	97PA457501	CORD AC AS	3A 300V VCTFK 0.75MM+BSP3
POA	47P6001500	CORD POWER	2P 1.8M AC3A 250V
POA1	97P2316600	HOLDER AC CORD	NYLON66 UL/CSA
POB	4857416500	TERM MALE W/MTD	BSP3-1/2H T0.2 SN-3
F801	5FSGB5012L	FUSE GLASS TUBE	SEMKO TL 0.5A 250V MF51
F801A	97P460170P	CLIP FUSE	PFC5000-0702
F801B	97P460170P	CLIP FUSE	PFC5000-0702
F802	5FSGB2022L	FUSE GLASS TUBE	SEMKO TL 2A 250V MF51

LOC	PART CODE	PART NAME	PART DESC
F802A	97P460170P	CLIP FUSE	PFC5000-0702
F802B	97P460170P	CLIP FUSE	PFC5000-0702
F803	5FSGB1222L	FUSE GLASS TUBE	SEMKO TL 1.25A 250V MF51
F803A	97P460170P	CLIP FUSE	PFC5000-0702
F803B	97P460170P	CLIP FUSE	PFC5000-0702
F804	5FSGB2022L	FUSE GLASS TUBE	SEMKO TL 2A 250V MF51
F804A	97P460170P	CLIP FUSE	PFC5000-0702
F804B	97P460170P	CLIP FUSE	PFC5000-0702
JA801	97P6310100	JACK DC AS	YSC-1534-1
JW801	97P880C120	CONN AS (LUG AS) 4.2D	ONE TYPE 200MM
L801	5PLF302---	FILTER LINE	LF-302-801
PJ801	97P885X023	CONN AS (Y5X023)	8H-5S/3S 270MM (Y7803)
P801	97P62Y02X2	CONN WAFER	YFW800 STR 10MM 2P
Q801	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
Q803	T2SD1273P-	TR	2SD1273-P
Q806	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
Q808	T2SD1273P-	TR	2SD1273-P
Q809	TZSR1001--	TR	KSR1001 (AUTO)
R801	RD-4Z152J-	R CARBON FILM	1/4 1.5K OHM J
R802	RD-4Z121J-	R CARBON FILM	1/4 120 OHM J
R803	RD-2Z122J-	R CARBON FILM	1/2 1.2K OHM J
R804	RD-AZ121J-	R CARBON FILM	1/6 120 OHM J
R805	RD-AZ202G-	R CARBON FILM	1/6 2K OHM G
R806	RD-AZ202G-	R CARBON FILM	1/6 2K OHM G
R807	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R809	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J
R810	RD-4Z331J-	R CARBON FILM	1/4 330 OHM J
R811	RD-AZ121J-	R CARBON FILM	1/6 120 OHM J
R812	RD-AZ123G-	R CARBON FILM	1/6 12K OHM G
R813	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J
R814	RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R816	RD-AZ201J-	R CARBON FILM	1/6 200 OHM J
T801	57P2057154	TRANS POWER	TPW-1181D
U801	97P6541202	PCB POWER	266.5X246X1.6T/4(1181D)

6-2-4.PCB PERAMP

LOC	PART CODE	PART NAME	PART DESC
03	97PB198300	PCB PREAMP AS	DVP-1080N
CA01	CEXE1A470A	C ELECTRO	10V RS 47MF 5X11
CA02	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)
CA03	CXSL1H820J	C CERA	50V SL 82PF J
CA04	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)
CA05	CXSL1H331J	C CERA	50V SL 330PF J (TAPPING)
CA06	CXSL1H240J	C CERA	50V SL 24PF J
CA07	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)
CA08	CXSL1H270J	C CERA	50V SL 27PF J
CA09	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)
CA10	CXSL1H509C	C CERA	50V SL 5PF C
CA12	CXSL1H121J	C CERA	50V SL 120PF J
CA16	CXSL1H221J	C CERA	50V SL 220PF J (TAPPING)
CA18	CBXF1H104Z	C CERA SEMI	50V F 0.1MF Z (TAPPING)
CA19	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)
CA20	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)
CA21	CEXE1A470A	C ELECTRO	10V RS 47MF 5X11
CA22	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)
CA23	CEXE1H478A	C ELECTRO	50V RS 0.47MF (5X11) TP
CA24	CBXF1H104Z	C CERA SEMI	50V F 0.1MF Z (TAPPING)
CA25	CXCH1H330J	C CERA	50V CH 33PF J (TAPPING)
CA26	CBXF1H104Z	C CERA SEMI	50V F 0.1MF Z (TAPPING)
CA27	CXCH1H330J	C CERA	50V CH 33PF J (TAPPING)
CA30	CBXF1H104Z	C CERA SEMI	50V F 0.1MF Z (TAPPING)
DA02	DZN4148---	DIODE	1N4148 AUTO 52MM
ICA01	1LA7376---	IC VIDEO	LA7376(PREAMP)
LA01	5CPX101J--	COIL PEAKING	PL 100UH J (TAPPING)
LA02	5CPX100J--	COIL PEAKING	PL 10UH J (TAPPING)
LA03	5CPX181J--	COIL PEAKING	180UH J RADIAL
LA04	5CPX560J--	COIL PEAKING	56UH J RADIAL
LA05	5CPX330J--	COIL PEAKING	33UH J RADIAL
LA06	5CPX271J--	COIL PEAKING	270UH J RADIAL
LA07	5CPX471J--	COIL PEAKING	470UH J RADIAL
LA08	5CPX681J--	COIL PEAKING	680UH 5MM J RADIAL
LA09	5CPX101J--	COIL PEAKING	PL 100UH J (TAPPING)
LA10	5CPX150J--	COIL PEAKING	15UH J RADIAL
PA301	97P6291293	CONN ANGLE	WAFER WIBP-06R-20T

LOC	PART CODE	PART NAME	PART DESC
PA302	97P6291293	CONN ANGLE	WAFER WIBP-06R-20T
PA303	97P6273500	CONN DIP	IL-D-4S-S3LA2-A DIP TYPE
QA01	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
QA02	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
QA03	TZTA1266Y-	TR	KTA1266Y- (AUTO)(1015Y)
QA06	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
QA07	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
QA08	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
RA01	RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J
RA02	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RA03	RD-AZ511J-	R CARBON FILM	1/6 510 OHM J
RA04	RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J
RA05	RD-AZ391J-	R CARBON FILM	1/6 390 OHM J
RA06	RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
RA07	RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
RA08	RD-AZ561J-	R CARBON FILM	1/6 560 OHM J
RA09	RD-AZ271J-	R CARBON FILM	1/6 270 OHM J
RA10	RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
RA11	RD-AZ391J-	R CARBON FILM	1/6 390 OHM J
RA12	RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
RA13	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RA15	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
RA16	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
RA17	RD-AZ302J-	R CARBON FILM	1/6 3K OHM J
RA19	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
RA20	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RA22	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RA23	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
RA26	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
RA27	RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J
RA30	RD-AZ682J-	R CARBON FILM	1/6 6.8K OHM J
RA34	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
RA50	RD-AZ203J-	R CARBON FILM	1/6 20K OHM J
UA01	97P6541204	PCB PREAMP	115.2X41.2X1.6T(1080)
0001	97P0449700	CASE SHIELD	PREAMP ET T0.4
0002	97P0449800	COVER SHIELD	PREAMP ET T0.4

6-2-5. PCB FRONT [DVP-1089N, 1089N(AM)]

LOC	PART CODE	PART NAME	PART DESC
04	97PB198400	PCB FRONT AS	DVP-1080N
C701	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)
DL701	DSLR34VC3-	LED	SLR 34VC-3 (RED)
DL702	DSLR34MC3-	LED	SLR34MC3 (GREEN)
DL703	DSLR34MC3-	LED	SLR34MC3 (GREEN)
DL704	DSLR34MC3-	LED	SLR34MC3 (GREEN)
DL705	DSLR34MC3-	LED	SLR34MC3 (GREEN)
DL706	DSLR34VC3-	LED	SLR 34VC-3 (RED)
JP701	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
JP702	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J
JW701	97P880C115	CONN AS (LUG AS)	4.2D ONE TYPE 150MM
PJ701	97P8852B47	CONN AS (Y52B47)	11H-11H 470MM (Y7808)
P701	97P6271900	CONN WAFER (ANGLE)	00-8283-1111-00000
RH701	1DHR38----	IC UNIT R/RECEIVER DHR38	(FO=38KHZ) PREAMP
R705	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J
R707	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R708	RD-AZ161J-	R CARBON FILM	1/6 160 OHM J
R709	RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
R710	RD-AZ361J-	R CARBON FILM	1/6 360 OHM J
R711	RD-AZ511J-	R CARBON FILM	1/6 510 OHM J
R712	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R713	RD-AZ161J-	R CARBON FILM	1/6 160 OHM J
R714	RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
R715	RD-AZ361J-	R CARBON FILM	1/6 360 OHM J
R716	RD-AZ511J-	R CARBON FILM	1/6 510 OHM J
R717	RD-AZ112J-	R CARBON FILM	1/6 1.1K OHM J

LOC	PART CODE	PART NAME	PART DESC
R718	RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R719	RD-AZ112G-	R CARBON FILM	1/6 1.1K OHM G
SW701	5S50101Z90	SW TACT	SKHV10910A
SW702	5S50101Z90	SW TACT	SKHV10910A
SW704	5S50101Z90	SW TACT	SKHV10910A
SW705	5S50101Z90	SW TACT	SKHV10910A
SW707	5S50101Z90	SW TACT	SKHV10910A
SW708	5S50101Z90	SW TACT	SKHV10910A
SW709	5S50101Z90	SW TACT	SKHV10910A
SW711	5S50101Z90	SW TACT	SKHV10910A
SW712	5S50101Z90	SW TACT	SKHV10910A
U701	97P6541205	PCB FRONT	330X246X1.6T/6(1080)
0001	97P2328500	HOLDER LED	ABS
0002	97P2315000	HOLDER LED	ABS-780/HF-380
05	97PB198500	E.T PART AS	DVP-1080N
B01	97P6541207	PCB UNION I	330X197X1.6T(1080)
ET01	2291051101	FLUX ANTI	KF-9000
ET02	2193011600	SOLDER WIRE	50 SNA 1.2D
ET03	2193101100	SOLDER BAR	SNA 60:40
ET06	2291050606	FLUX SOLDER	JLH N0207
ET07	2291050303	FLUX SOLVENT	H-302
ET08	2291140601	WAX MICRO	MOBIL 180
TS04	592DN1----	TAPE TEST (NTSC)	VNC-1(SP,COLOR BAR,1KHZ)
TS05	592DN2----	TAPE TEST (NTSC)	DN-2 (SP,STAIRSTEP,7KHZ)
TS06	592DN5----	TAPE TEST (NTSC)	VNS-3(SP,3KHZ ONLY)
Y7809	97P885X022	CONN AS (Y5X022)	6H-3H/5H 330MM (Y7809)

6-2-6. PCB FRONT [DVP-1281N, 1281N(AM)]

LOC	PART CODE	PART NAME	PART DESC
04	97PC108300	PCB FRONT AS	DVP-1281N
C701	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)
DL701	DSLR34MC3-	LED	SLR34MC3 (GREEN)
DL702	DSLV31KT3-	LED	SLV-31KT3 (WHITE)
DL703	DSLR34MC3-	LED	SLR34MC3 (GREEN)
DL706	DSLR34VC3-	LED	SLR 34VC-3 (RED)
DL707	DSLR34MC3-	LED	SLR34MC3 (GREEN)
DL708	DSLR34MC3-	LED	SLR34MC3 (GREEN)
DL709	DSLV31KT3-	LED	SLV-31KT3 (WHITE)
JP706	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J
JW701	97P880C115	CONN AS (LUG AS)	4.2D ONE TYPE 150MM
PJ701	97P8852B47	CONN AS (Y52B47)	11H-11H 470MM (Y7808)
P701	97P6271900	CONN WAFER (ANGLE)	00-8283-1111-00000
RM701	1DHR38----	IC UNIT R/RECEIVER	DHR38 (FO=38KHZ) PREAMP
R707	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R708	RD-AZ161J-	R CARBON FILM	1/6 160 OHM J
R709	RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
R710	RD-AZ361J-	R CARBON FILM	1/6 360 OHM J
R711	RD-AZ511J-	R CARBON FILM	1/6 510 OHM J
R712	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R713	RD-AZ161J-	R CARBON FILM	1/6 160 OHM J
R714	RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
R715	RD-AZ361J-	R CARBON FILM	1/6 360 OHM J
R716	RD-AZ511J-	R CARBON FILM	1/6 510 OHM J
R717	RD-AZ112J-	R CARBON FILM	1/6 1.1K OHM J
R718	RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J

LOC	PART CODE	PART NAME	PART DESC
R719	RD-AZ112J-	R CARBON FILM	1/6 1.1K OHM J
R721	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J
SW701	5S50101Z90	SW TACT	SKHV10910A
SW702	5S50101Z90	SW TACT	SKHV10910A
SW704	5S50101Z90	SW TACT	SKHV10910A
SW705	5S50101Z90	SW TACT	SKHV10910A
SW707	5S50101Z90	SW TACT	SKHV10910A
SW708	5S50101Z90	SW TACT	SKHV10910A
SW709	5S50101Z90	SW TACT	SKHV10910A
SW711	5S50101Z90	SW TACT	SKHV10910A
SW712	5S50101Z90	SW TACT	SKHV10910A
U701	97P6541210	PCB UNION	300X255X1.6T/4(1281N)
0001	97P2331100	HOLDER LED	ABS
05	97PB198500	E.T PART AS	DVP-1080N
B01	97P6541207	PCB UNION I	330X197X1.6T(1080)
ET01	2291051101	FLUX ANTI	KF-9000
ET02	2193011600	SOLDER WIRE	50 SNA 1.2D
ET03	2193101100	SOLDER BAR	SNA 60:40
ET06	2291050606	FLUX SOLDER	JLH N0207
ET07	2291050303	FLUX SOLVENT	H-302
ET08	2291140601	WAX MICRO	MOBIL 180
TS04	592DN1----	TAPE TEST (NTSC)	VNC-1(SP,COLOR BAR,1KHZ)
TS05	592DN2----	TAPE TEST (NTSC)	DN-2 (SP,STAIRSTEP,7KHZ)
TS06	592DN5----	TAPE TEST (NTSC)	VNS-3(SP,3KHZ ONLY)
Y7809	97P885X022	AS (Y5X022) -	3H/5H 330MM (Y7809)